

# Oracle® Banking Supply Chain Finance

## Integration Guide



Release 14.8.1.0.0  
G44464-01  
October 2025

ORACLE®

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# Preface

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## Purpose

This guide describes the information on inter-connecting Oracle® Banking Supply Chain Finance to other systems, inbound APIs, outbound API calls through Oracle Banking Routing Hub, File Upload features, and Events.

## Audience

This guide is primarily intended for the following user/user roles:

**Table 1 Audience**

Role	Function
Implementation and IT staff	Implementation and maintenance of the software
Back office clerk	Input functions for contracts
Back office managers/officers	Authorization functions
Product Managers	Product definition and authorization
End of day operators	Processing during end of day/ beginning of day
Financial Controller / Product Managers	Generation of reports

## Documentation 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>.

### Access to Oracle Support

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## Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

## Related Resources

For more information, refer to the following resources:

- *Oracle Banking Microservices Platform Foundation User Guide*
- *REST API for Oracle Banking Supply Chain Finance*
- *ASYNCR API for Oracle Banking Supply Chain Finance*

## Conventions

The following text conventions are used in this document:

Convention	Meaning
<b>boldface</b>	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
<i>italic</i>	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

## Acronyms and Abbreviations

The list of the acronyms and abbreviations used in this guide are as follows:

**Table 2 Acronyms and Abbreviations**

Abbreviation	Description
OBCL	Oracle Banking Corporate Lending
ELCM	Oracle Banking Enterprise Limits and Collateral Management
FCUBS	Oracle Banking FLEXCUBE Universal Banking
OBSCF	Oracle Banking Supply Chain Finance
OBVAM	Oracle Banking Virtual Account Management
OBCM	Oracle Banking Cash Management
OBPM	Oracle Banking Payments
API	Application Programming Interface
EOD	End of Day

**Table 2 (Cont.) Acronyms and Abbreviations**

Abbreviation	Description
NPA	Non-Performing Asset
EFT	Electronic Funds Transfer
ECA	External Credit Approval
SLA	Service Level Agreement
RFR	Risk Free Rate

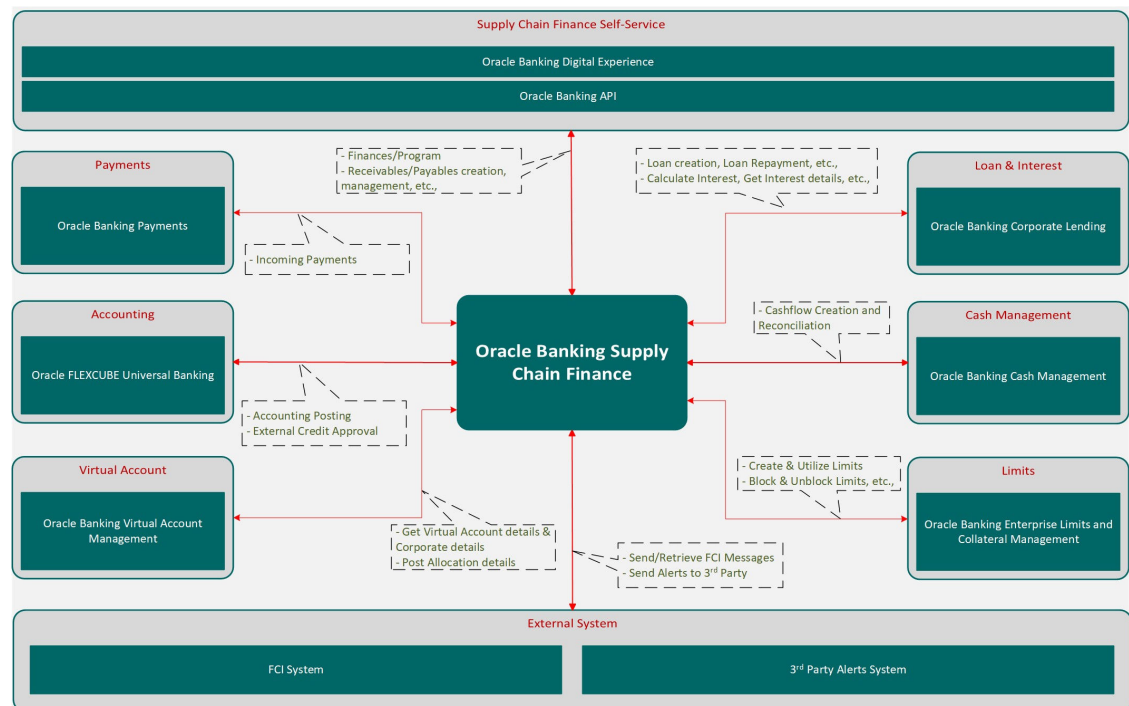
# 1

## Overview

This topic provides the overview on inter-connecting Oracle® Banking Supply Chain Finance to other systems.

Oracle® Banking Supply Chain Finance supports the integration with Enterprise Limits and Collateral Management, FLEXCUBE Universal Banking, Cash Management, Payments, and Virtual Account Management systems for various use cases. It also provides interfaces for self-service portals. Refer to the [Outbound API calls through Oracle Banking Routing Hub](#) chapter for more information.

**Figure 1-1 Oracle® Banking Supply Chain Finance - Overview**





# 2

## Inbound APIs

This topic provides the information on the set of inbound APIs provided by Oracle® Banking Supply Chain Finance.

Refer to the ***REST API for Oracle Banking Supply Chain Finance*** for the inbound API details.

# 3

## File Upload

This topic provides the information on the various File Upload features supported by Oracle® Banking Supply Chain Finance.

The user can perform the creation of new records using File Upload functionality.

The processing status of the records in the file can be enquired through **View File Upload Status** screen.

### Note

Refer to **Oracle® Banking Microservices Platform Foundation User Guide** for the detailed explanation.

Oracle® Banking Supply Chain Finance provides a facility for bulk upload of the below features.

- [Invoice](#)
- [Invoice to Link Multiple Purchase Orders](#)
- [Credit Note](#)
- [Debit Note](#)
- [Relationship](#)
- [Purchase Order](#)
- [Payment](#)

## 3.1 Invoice

Invoice File Upload is used for the bulk creation of Invoices.

**File Naming Convention:** OBSCF-INVOICE-BUYER\_suffix or OBSCF-INVOICE-SELLER\_suffix

For example: OBSCF-INVOICE-BUYER\_27april2020

**File Format:** .csv

The following table describes the details of file structure of Invoices only.

**Table 3-1 Invoice - File Structure**

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
1	INDICATOR	Invoice Buyer Indicator	VARCHAR2	1	Y
2	INVOICE_NO	Invoice Number	VARCHAR2	40	Y

**Table 3-1 (Cont.) Invoice - File Structure**

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
3	INVOICE_DATE	Date of Invoice	DATE Format: YYYY-MM-DD	-	Y
4	INVOICE_DUE_DATE	Due Date of Invoice	DATE Format: YYYY-MM-DD	-	Y
5	CURRENCY	Currency of Invoice	VARCHAR2	3	Y
6	BASE_INV_AMOUNT	Base invoice amount	NUMBER	28,4	Y
7	NET_INV_AMOUNT	Net invoice amount	NUMBER	28,4	N
8	PO_NUMBER	Purchase order Number	VARCHAR2	25	N
9	DISPUTED	Whether Invoice is Disputed Y/N	VARCHAR2	1	N
10	BUYER_ID	Buyer Id	VARCHAR2	20	Y
11	SUPPLIER_ID	Supplier Id	VARCHAR2	20	Y
12	PREACCEPTED	Invoice Pre-accept Flag Y/N	VARCHAR2	10	N
13	ACCEPTANCE_AMOUNT	Invoice Acceptance Amount	NUMBER	28,4	N
14	PROGRAM_ID	Program Id	VARCHAR2	-	N
15	VIRTUAL_ACCOUNT_FLAG	Virtual Account Flag Y/N	VARCHAR2	1	N
16	BANK	Name of the Bank	VARCHAR2	200	N
17	BRANCH	Name of the Bank Branch	VARCHAR2	3	N
18	BIC_ROUTING_CODE	BIC routing Code	VARCHAR2	9	N
19	FUNDING_REQUIREMENT_AMT	Amount of Funding required	NUMBER	28,4	N
20	FILLER1	Additional Field	DATE Format: YYYY-MM-DD	-	N
21	FILLER2	Additional Field	VARCHAR2	25	N
22	FILLER3	Additional Field	VARCHAR2	25	N
23	FILLER4	Additional Field	VARCHAR2	25	N
24	INVOICE_ID	Invoice Id from Channel	VARCHAR2	40	N

The following table describes the details of file structure of Invoices with Commodities.

**Table 3-2 Invoice with Commodity - File Structure**

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
1	INDICATOR	Invoice Buyer Indicator	VARCHAR2	1	Y

Table 3-2 (Cont.) Invoice with Commodity - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
2	INVOICE_NO	Invoice Number	VARCHAR2	40	Y
3	INVOICE_DATE	Date of Invoice	DATE Format: YYYY-MM-DD	-	Y
4	INVOICE_DUE_DATE	Due Date of Invoice	DATE Format: YYYY-MM-DD	-	Y
5	BUYER_CODE	Code of the Buyer	VARCHAR2	100	N
6	SUPPLIER_CODE	Code of the Supplier	VARCHAR2	100	N
7	CURRENCY	Currency of Invoice	VARCHAR2	3	Y
8	BASE_INV_AMOUNT	Base invoice amount	NUMBER	28,4	Y
9	NET_INV_AMOUNT	Net invoice amount	NUMBER	28,4	N
10	TAX_AMOUNT	Tax amount	NUMBER	28,4	N
11	DISCOUNT	Discount amount	NUMBER	-	N
12	PO_NUMBER	Purchase order Number	VARCHAR2	25	N
13	BUYER_DIV_CODE	Buyer Division Code	VARCHAR2	20	Y
14	SUPPLIER_DIV_CODE	Supplier Division Code	VARCHAR2	20	Y
15	DISPUTED	Whether Invoice is Disputed Y/N	VARCHAR2	1	N
16	BUYER_ID	Buyer Id	VARCHAR2	20	Y
17	SUPPLIER_ID	Supplier Id	VARCHAR2	20	Y
18	BUYER_NAME	Buyer Name	VARCHAR2	105	CM
19	SUPPLIER_NAME	Supplier Name	VARCHAR2	105	CM
20	PREACCEPTED	Invoice Pre-accept Flag Y/N	VARCHAR2	10	N
21	ACCEPTANCE_AMOUNT	Invoice Acceptance Amount	NUMBER	28,4	N
22	PROGRAM_ID	Program Id	VARCHAR2	-	N
23	VIRTUAL_ACCOUNT_FLAG	Virtual Account Flag Y/N	VARCHAR2	1	N
24	COLLECTION/REPAYMENT_ACCOUNT_NO	Collection/Repayment Account Number	VARCHAR2	50	N

Table 3-2 (Cont.) Invoice with Commodity - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
25	BANK_NAME_FOR_CAN	Name of the Bank FOR CAN	VARCHAR	200	Mandatory if CAN is provided and BIC is null
26	BRANCH_NAME_FOR_CAN	Name of the Bank Branch of the CAN	VARCHAR	3	Mandatory if CAN is provided and BIC is null
27	BANK_IDENTIFIER_CODE for CAN	BANK_IDENTIFIER_CODE for CAN	VARCHAR	11	Optional
28	FUNDING_REQUIREMENT_AMT	Amount of Funding required	NUMBER	28,4	N
29	FILLER1	Additional Field	DATE Format: YYYY-MM-DD	-	N
30	FILLER2	Additional Field	VARCHAR2	25	N
31	FILLER3	Additional Field	VARCHAR2	25	N
32	FILLER4	Additional Field	VARCHAR2	25	N
33	INVOICE_ID	Invoice Id from Channel	VARCHAR2	40	N
34	FUNDING_REQUIREMENT_DATE	Funding Date	DATE Format: YYYY-MM-DD	-	N
35	ACCOUNT_NAME_FOR_CAN	User should mention the account name for Collection/Repayment account	VARCHAR2	200	Mandatory if CAN is provided
36	PAYMENT_MODE_FOR_CAN	User should mention whether it is an internal account transfer or EFT or Cross Border Transfer. Acceptable values are 'AC', 'EFT' or 'CBT'	VARCHAR	3	Mandatory if CAN is provided
37	BENEFICIARY_ADDRESS1_FOR_CAN	User can enter the beneficiary's address line1 for Collection/Repayment Account Applicable only for CBT	VARCHAR2	200	Optional
38	BENEFICIARY_ADDRESS2_FOR_CAN	User can enter the beneficiary's address line2 for Collection/Repayment Account	VARCHAR2	200	Optional
39	BENEFICIARY_ADDRESS3_FOR_CAN	User can enter the beneficiary's address line3 for Collection/Repayment Account	VARCHAR2	200	Optional
40	BENEFICIARY_ADDRESS4_FOR_CAN	User can enter the beneficiary's address line4 for Collection/Repayment Account	VARCHAR2	200	Optional

Table 3-2 (Cont.) Invoice with Commodity - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
41	BENE_CNTRY_FOR_CAN	User can enter the beneficiary's country for Collection/Repayment Account	VARCHAR2	50	Optional
42	BENE_PHONE_FOR_CAN	User can enter the beneficiary's Phone number for Collection/Repayment Account	VARCHAR2	20	Optional
43	BENE_EMAIL_FOR_CAN	User can enter the beneficiary's email id for Collection/Repayment Account	VARCHAR2	50	Optional
44	INTERMEDIARY_BANK_CODE_FOR_CAN	User can enter the Intermediary bank swift code here if Payment Credit Mode is CBT	VARCHAR	11	Optional
45	INTERMEDIARY_BANK_NAME_FOR_CAN	User can mentioned the Intermediary Bank Name	VARCHAR	200	Optional
46	INTERMEDIARY_BANK_ADDRESS1_FOR_CAN	User can mentioned the Intermediary Bank Address	VARCHAR	200	Optional
47	INTERMEDIARY_BANK_ADDRESS2_FOR_CAN	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional
48	INTERMEDIARY_BANK_ADDRESS3_FOR_CAN	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional
49	INTERMEDIARY_BANK_ADDRESS4_FOR_CAN	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional
50	DISBURSEMENT_Credit_Account (hereafter referred as DCA)	User can enter an account number to receive the invoice payment. Can be a CASA or a GL account. IF its an IBAN number then should be mentioned in the same field.	VARCHAR	50	Optional
51	ACCOUNT_NAME_FOR_DCA	User should mention the account name for Disbursement credit account	VARCHAR2	200	Mandatory if DCA is provided
52	PAYMENT_CREDIT_MODE_DCA	User should mention whether it is an internal account transfer or EFT or Cross Border Transfer. Acceptable values are 'AC', 'EFT' or 'CBT'	VARCHAR	3	Mandatory if DCA is provided
53	BENE_ADDRESS1_FOR_DCA	User can enter the beneficiary's address line1 for Disbursement Credit Account Applicable only for CBT	VARCHAR2	200	Optional

Table 3-2 (Cont.) Invoice with Commodity - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
54	BENE_ADDR2_FOR_DCA	User can enter the beneficiary's address line2 for Disbursement Credit Account	VARCHAR2	200	Optional
55	BENE_ADDR3_FOR_DCA	User can enter the beneficiary's address line3 for Disbursement Credit Account	VARCHAR2	200	Optional
56	BENE_ADDR4_FOR_DCA	User can enter the beneficiary's address line4 for Disbursement Credit Account	VARCHAR2	200	Optional
57	BENE_CNTRY_FOR_DCA	User can enter the beneficiary's country for Disbursement Credit Account	VARCHAR2	50	Optional
58	BENE_PHONE_FOR_DCA	User can enter the beneficiary's Phone number for Disbursement Account	VARCHAR2	20	Optional
59	BENE_EMAIL_FOR_DCA	User can enter the beneficiary's email id for Disbursement Credit Account	VARCHAR2	50	Optional
60	BANK_NAME_FOR_DCA	User can mentioned the Name of the Bank	VARCHAR	200	Mandatory if DCA is provided and BIC is null
61	BRANCH_NAME_FOR_DCA	User can mentioned the Branch code of the DCA	VARCHAR	3	Mandatory if DCA is provided and BIC is null
62	BANK_IDENTIFIER_CODE_FOR_DCA	User can enter the IFSC code here if Payment Credit Mode if EFT and can enter the swift BIC if the Payment credit mode is CBT	VARCHAR	11	Mandatory if DCA is provided and Bank Name is null
63	INTERMEDIARY_BANK_IDENTIFIER_CODE_FOR_DCA	User can enter the Intermediary bank swift code here if Payment Credit Mode is CBT	VARCHAR	11	Optional
64	INTERMEDIARY_BANK_NAME_FOR_DCA	User can mentioned the Intermediary Bank Name	VARCHAR	200	Optional
65	INTERMEDIARY_BANK_ADDRESS1_FOR_DCA	User can mentioned the Intermediary Bank Address	VARCHAR	200	Optional
66	INTERMEDIARY_BANK_ADDRESS2_FOR_DCA	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional

**Table 3-2 (Cont.) Invoice with Commodity - File Structure**

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
67	INTERMEDIARY_BANK_ADDRESS3_FOR_DCA	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional
68	INTERMEDIARY_BANK_ADDRESS4_FOR_DCA	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional
-	<b>COMMODITIES CHILD RECORD</b>	-	-	-	-
1	INDICATOR	Commodity Indicator	VARCHAR2	1	CM
2	COMMODITY_CODE	Commodity Code	VARCHAR2	20	CM
3	COMMODITY_NAME	Commodity Name	VARCHAR2	50	CM
4	QUANTITY	Quantity	NUMBER	28,4	CM
5	UNIT_COST	Cost per Unit of the commodity	NUMBER	28,4	CM
6	TOTAL_COST	Total Cost of the commodity	NUMBER	28,4	CM
7	TAX_AMOUNT	Tax amount of the commodity	NUMBER	28,4	CM
8	DISCOUNT_AMOUNT	Discount amount of the commodity	NUMBER	28,4	CM
9	NET_COST	Net Amount of the commodity	NUMBER	28,4	CM

## 3.2 Invoice to Link Multiple Purchase Orders

Invoice File Upload is used for the bulk creation of Invoices with multiple purchase orders.

**File Naming Convention:** OBSCFCM-INVOICES-PO-BUYER\_suffix or OBSCFCMINVOICES- PO-SELLER\_suffix

For example: OBSCFCM-INVOICES-PO-BUYER\_23Mar2021

**File Format:** .csv

The following table describes the details of file structure.

**Table 3-3 Invoice to Link Multiple Purchase Orders - File Structure**

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
1	INDICATOR	Invoice Buyer Indicator	VARCHAR2	1	Y
2	INVOICE_NO	Invoice Number	VARCHAR2	25	Y
3	INVOICE_DATE	Date of Invoice	DATE Format: YYYY-MM-DD	-	Y



**Table 3-3 (Cont.) Invoice to Link Multiple Purchase Orders - File Structure**

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
4	INVOICE_VALUE_DATE	Invoice Value Date	DATE Format: YYYY-MM-DD	-	N
5	INVOICE_DUE_DATE	Due Date of Invoice	DATE Format: YYYY-MM-DD	-	Y
6	BUYER_CODE	Code of the Buyer	VARCHAR2	100	N
7	SUPPLIER_CODE	Code of the Supplier	VARCHAR2	100	N
8	CURRENCY	Currency of Invoice	VARCHAR2	3	Y
9	BASE_INV_AMOUNT	Base invoice amount	NUMBER	28,4	Y
10	NET_INV_AMOUNT	Net invoice amount	NUMBER	28,4	N
11	TAX_AMOUNT	Tax amount	NUMBER	28,4	N
12	DISCOUNT	Discount amount	NUMBER	28,4	N
13	DISCOUNT1_DAYS	Discount 1 Days	NUMBER	3,0	N
14	DISCOUNT1_PERC	Discount 1 Percentage	NUMBER	7,4	N
15	DISCOUNT2_DAYS	Discount 2 Days	NUMBER	3,0	N
16	DISCOUNT2_PERC	Discount 2 Percentage	NUMBER	7,4	N
17	BUYER_DIV_CODE	Buyer Division Code	VARCHAR2	20	N
18	SUPPLIER_DIV_CODE	Supplier Division Code	VARCHAR2	20	N
19	DISPUTED	Whether Invoice is Disputed Y/N	VARCHAR2	1	N
20	BUYER_ID	Buyer Id	VARCHAR2	20	Y
21	SUPPLIER_ID	Supplier Id	VARCHAR2	20	Y
22	BUYER_NAME	Buyer Name	VARCHAR2	105	CM
23	SUPPLIER_NAME	Supplier Name	VARCHAR2	105	CM
24	PREACCEPTED	Invoice Pre-accept Flag Y/N	VARCHAR2	10	N
25	ACCEPTANCE_AMOUNT	Invoice Acceptance Amount	NUMBER	28,4	N
26	PROGRAM_ID	Program Id	VARCHAR2	20	N
27	VIRTUAL_ACCOUNT_FLAG	Virtual Account Flag Y/N	VARCHAR2	1	N

Table 3-3 (Cont.) Invoice to Link Multiple Purchase Orders - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
28	REPAYMENT_AC_NO	Repayment Account Number	VARCHAR2	50	N
29	BANK	Name of the Bank	VARCHAR2	200	N
30	BRANCH	Name of the Bank Branch	VARCHAR2	3	N
31	BIC_ROUTING_CODE	BIC routing Code	VARCHAR2	9	N
32	FUNDING_REQ_AMT	Amount of Funding required	NUMBER	28,4	N
33	FILLER1	Additional Field	DATE Format: YYYY-MM-DD	-	N
34	FILLER2	Additional Field	VARCHAR2	25	N
35	FILLER3	Additional Field	VARCHAR2	25	N
36	FILLER4	Additional Field	VARCHAR2	25	N
37	INVOICE_ID	Invoice Id from Channel	VARCHAR2	40	N
38	FUNDING_REQ_DATE	Funding Date	DATE Format: YYYY-MM-DD	-	N
39	NET_PMT_TERMS	Net Payment Terms	VARCHAR2	150	N
40	PMT_CONDITION	Payment Condition	NUMBER	2,0	N
41	SHIPMENT_DATE	Shipment Date	DATE Format: YYYY-MM-DD	-	N
42	SHIPMENT_NUMBER	Shipment Number	VARCHAR2	100	N
43	SHIPMENT_ADDRESS	Shipment Address	VARCHAR2	150	N
44	SHIPMENT_COUNTRY	Shipment Country	VARCHAR2	3	N
45	CITY	City	VARCHAR2	30	N
46	ZIP_CODE	Zip Code	VARCHAR2	20	N
47	PHONE_NUMBER	Phone Number	VARCHAR2	22	N
48	TAX_ID	Tax Id	VARCHAR2	30	N
49	REASON_FOR_EXPORT	Reason for Export	VARCHAR2	50	N
50	TERMS_OF_SALE	Terms of Sale	VARCHAR2	3	N
51	COUNTRY_OF_ORIGIN	Country of Origin	VARCHAR2	3	N
52	REMARKS	Remarks	VARCHAR2	1400	N
53	MISC_CHARGE1_DESC	Misc Charge 1 Description	VARCHAR2	100	N

Table 3-3 (Cont.) Invoice to Link Multiple Purchase Orders - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
54	MISC_CHARGE1_AMOUNT	Misc Charge 1 Amount	NUMBER	28,4	N
55	MISC_CHARGE2_DESC	Misc Charge 2 Description	VARCHAR2	100	N
56	MISC_CHARGE2_AMOUNT	Misc Charge 2 Amount	NUMBER	28,4	N
57	USE_EARMARKED_LIMITS	Use Earmarked Limits	VARCHAR2	1	N
-	<b>PURCHASE ORDERS CHILD RECORD</b>	-	-	-	-
1	INDICATOR	Purchase Order Indicator	VARCHAR2	1	CM
2	PO_NUMBER	Purchase Order Number	VARCHAR2	25	CM
3	INVOICE_AMOUNT_ALLOCATED	Invoice Amount Allocated	NUMBER	28,4	CM
-	<b>COMMODITIES CHILD RECORD</b>	-	-	-	-
1	INDICATOR	Commodity Indicator	VARCHAR2	1	CM
2	PO_NUMBER	Purchase Order Number	VARCHAR2	25	CM
3	COMMODITY_CODE	Commodity Code	VARCHAR2	20	CM
4	COMMODITY_NAME	Commodity Name	VARCHAR2	50	CM
5	QUANTITY	Quantity	NUMBER	28,4	CM
6	UNIT_COST	Cost per Unit of the commodity	NUMBER	28,4	CM
7	TOTAL_COST	Total Cost of the commodity	NUMBER	28,4	CM
8	TAX_AMOUNT	Tax amount of the commodity	NUMBER	28,4	CM
9	DISCOUNT_AMOUNT	Discount amount of the commodity	NUMBER	28,4	CM
10	NET_COST	Net Amount of the commodity	NUMBER	28,4	CM

## 3.3 Credit Note

Credit Note File Upload is used for the bulk creation of Credit Notes.

**File Naming Convention:** OBSCF-CREDIT-NOTE-BUYER\_suffix or OBSCF-CREDIT-NOTE-SELLER\_suffix

For example: OBSCF-CREDIT-NOTE-BUYER\_04Sep2023

**File Format:** .csv

The following table describes the details of file structure.

**Table 3-4 Credit Note - File Structure**

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
1	INDICATOR	Credit Note Indicator	VARCHAR2	1	Y
2	CN_NO	Credit Note Reference Number	VARCHAR2	25	Y
3	CN_ID	Credit Note Id from Channel	VARCHAR2	25	N
4	LINK_INVOICE_NO	Invoice Numbers	VARCHAR2	25	N
5	CN_DATE	Credit Note Date	DATE Format: YYYY-MM-DD	-	Y
6	CN_EXPIRY_DATE	Expiry Date of Credit Note	DATE Format: YYYY-MM-DD	-	Y
7	BUYER_CODE	Code of the Buyer	VARCHAR2	100	N
8	SUPPLIER_CODE	Code of the Supplier	VARCHAR2	100	N
9	CURRENCY	Currency of Credit Note	VARCHAR2	3	Y
10	BASE_CN_AMOUNT	Base Credit Note Amount	NUMBER	28,4	N
11	NET_CN_AMOUNT	Net Credit Note Amount	NUMBER	28,4	N
12	TAX_AMOUNT	Tax amount	NUMBER	28,4	N
13	DISCOUNT	Discount on Credit Note Amount	NUMBER	28,4	N
14	BUYER_DIV_CODE	Buyer Division Code	VARCHAR2	20	N
15	SUPPLIER_DIV_CODE	Supplier Division Code	VARCHAR2	20	N
16	BUYER_ID	Buyer Id	VARCHAR2	20	Y
17	SUPPLIER_ID	Supplier Id	VARCHAR2	20	Y
18	BUYER_NAME	Buyer Name	VARCHAR2	105	N
19	SUPPLIER_NAME	Supplier Name	VARCHAR2	105	N
20	PROGRAM_ID	Program Id	VARCHAR2	20	N
21	ADJUST_REASON_CODE	Reason for Adjustment	VARCHAR2	2	N
22	REMARKS	Remarks	VARCHAR2	200	N
23	FILLER1	Additional Field	DATE Format: YYYY-MM-DD	-	N
24	FILLER2	Additional Field	DATE Format: YYYY-MM-DD	-	N

Table 3-4 (Cont.) Credit Note - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
25	FILLER3	Additional Field	VARCHAR2	25	N
26	FILLER4	Additional Field	VARCHAR2	25	N
27	FILLER5	Additional Field	VARCHAR2	25	N
28	FILLER6	Additional Field	VARCHAR2	25	N
29	FILLER7	Additional Field	VARCHAR2	25	N
30	FILLER8	Additional Field	VARCHAR2	25	N
31	FILLER9	Additional Field	VARCHAR2	25	N
32	FILLER10	Additional Field	VARCHAR2	25	N
-	<b>COMMODITIES CHILD RECORD</b>	-	-	-	-
1	INDICATOR	Commodity Indicator	VARCHAR2	1	CM
2	INVOICE_NUMBER	Invoice Number	VARCHAR2	25	CM
3	COMMODITY_CODE	Commodity Code	VARCHAR2	20	CM
4	COMMODITY_NAME	Commodity Name	VARCHAR2	50	CM
5	QUANTITY	Quantity	NUMBER	28,4	CM
6	UNIT_COST	Cost per Unit of the commodity	NUMBER	28,4	CM
7	TOTAL_COST	Total Cost of the commodity	NUMBER	28,4	CM
8	TAX_AMOUNT	Tax amount of the commodity	NUMBER	28,4	CM
9	DISCOUNT_AMOUNT	Discount amount of the commodity	NUMBER	28,4	CM
10	NET_COST	Net Amount of the commodity	NUMBER	28,4	CM

## 3.4 Debit Note

The Debit Note File Upload feature allows for the mass generation of Debit Notes.

**File Naming Convention:** OBSCF-DEBIT-NOTE-BUYER\_suffix or OBSCF-DEBIT-NOTE-SELLER\_suffix.

For example: OBSCF-DEBIT-NOTE-BUYER\_22Feb12020

**File Format:** .csv

The following table describes the details of file structure.

Table 3-5 Debit Note - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
1	INDICATOR	Debit Note Indicator	VARCHAR2	1	Y
2	DN_NO	Debit Note Reference Number	VARCHAR2	40	Y

Table 3-5 (Cont.) Debit Note - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
3	DN_ID	Debit Note Id from Channel	VARCHAR2	40	N
4	LINK_INVOICE_NO	Invoice Numbers	VARCHAR2	25	N
5	DN_DATE	Debit Note Date	DATE Format: YYYY-MM-DD	-	Y
6	DN_DUE_DATE	Debit Note Due Date	DATE Format: YYYY-MM-DD	-	Y
7	BUYER_CODE	Code of the Buyer	VARCHAR2	100	N
8	SUPPLIER_CODE	Code of the Supplier	VARCHAR2	9	N
9	CURRENCY	Currency of Debit Note	VARCHAR2	3	Y
10	BASE_DN_AMOUNT	Base Debit Note Amount	NUMBER	28,4	Y
11	NET_DN_AMOUNT	Net Debit Note Amount	NUMBER	28,4	N
12	TAX_AMOUNT	Tax amount	NUMBER	28,4	N
13	DISCOUNT	Discount on Debit Note Amount	NUMBER	28,4	N
14	BUYER_DIV_CODE	Buyer Division Code	VARCHAR2	20	N
15	SUPPLIER_DIV_CODE	Supplier Division Code	VARCHAR2	20	N
16	DISPUTED	Whether Debit Note Disputed Yes/No	VARCHAR2	1	N
17	BUYER_ID	Buyer Id	VARCHAR2	20	Y
18	SUPPLIER_ID	Supplier Id	VARCHAR2	20	Y
19	BUYER_NAME	Name of the Buyer	VARCHAR2	105	N
20	SUPPLIER_NAME	Name of the Supplier	VARCHAR2	105	N
21	PREACCEPTED	Flag Whether Debit Note is Preaccepted Y/N	VARCHAR2	10	N
22	ACCEPTANCE_AMOUNT	Debit Note Acceptance Amount	NUMBER	28,4	N
23	PROGRAM_ID	Program ID	VARCHAR2	20	N
24	VIRTUAL_ACCOUNT_FLAG	Virtual Account Flag Y/N	VARCHAR2	1	N
25	REPAYMENT_ACCOUNT_NO	Repayment Account Number	VARCHAR2	50	N
26	BANK	Name of the Bank	VARCHAR2	200	N
27	BRANCH	Name of the Bank Branch	VARCHAR2	3	N

Table 3-5 (Cont.) Debit Note - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
28	BIC_ROUTING_CODE	BIC code/Routing code	VARCHAR2	9	N
29	FUNDING_REQUIREMENT_AMT	Amount of Funding required	NUMBER	28,4	N
30	ACCOUNT_NAME_FOR_COLLECTION	User should mention the account name for Collection/Repayment account	VARCHAR2	200	Mandatory if CAN is provided
31	PAYMENT_MODE_FOR_COLLECTION	User should mention whether it is an internal account transfer or EFT or Cross Border Transfer. Acceptable values are 'AC', 'EFT' or 'CBT'	VARCHAR	3	Mandatory if CAN is provided
32	BENEFICIARY_ADDRESS1_FOR_COLLECTION	User can enter the beneficiary's address line1 for Collection/Repayment Account Applicable only for CBT	VARCHAR2	200	Optional
33	BENEFICIARY_ADDRESS2_FOR_COLLECTION	User can enter the beneficiary's address line2 for Collection/Repayment Account	VARCHAR2	200	Optional
34	BENEFICIARY_ADDRESS3_FOR_COLLECTION	User can enter the beneficiary's address line3 for Collection/Repayment Account	VARCHAR2	200	Optional
35	BENEFICIARY_ADDRESS4_FOR_COLLECTION	User can enter the beneficiary's address line4 for Collection/Repayment Account	VARCHAR2	200	Optional
36	BENEFICIARY_COUNTRY_FOR_COLLECTION	User can enter the beneficiary's country for Collection/Repayment Account	VARCHAR2	50	Optional
37	BENEFICIARY_PHONE_FOR_COLLECTION	User can enter the beneficiary's Phone number for Collection/Repayment Account	VARCHAR2	20	Optional
38	BENEFICIARY_EMAIL_FOR_COLLECTION	User can enter the beneficiary's email id for Collection/Repayment Account	VARCHAR2	50	Optional
39	INTERMEDIARY_BANK_CODE_FOR_COLLECTION	User can enter the Intermediary bank swift code here if Payment Credit Mode is CBT	VARCHAR	11	Optional
40	INTERMEDIARY_BANK_NAME_FOR_COLLECTION	User can mentioned the Intermediary Bank Name	VARCHAR	200	Optional
41	INTERMEDIARY_BANK_ADDRESS1_FOR_COLLECTION	User can mentioned the Intermediary Bank Address	VARCHAR	200	Optional
42	INTERMEDIARY_BANK_ADDRESS2_FOR_COLLECTION	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional

Table 3-5 (Cont.) Debit Note - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
43	INTERMEDIARY_BANK_ADDRESS3_FOR_CAN	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional
44	INTERMEDIARY_BANK_ADDRESS4_FOR_CAN	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional
45	DISBURSEMENT_Credit_Account (hereafter referred as DCA)	User can enter an account number to receive the invoice payment. Can be a CASA or a GL account. IF its an IBAN number then should be mentioned in the same field.	VARCHAR	50	Optional
46	ACCOUNT_NAME_FOR_DCA	User should mention the account name for Disbursement credit account	VARCHAR2	200	Mandatory if DCA is provided
47	PAYMENT_CREDIT_MODE_DCA	User should mention whether it is an internal account transfer or EFT or Cross Border Transfer. Acceptable values are 'AC', 'EFT' or 'CBT'	VARCHAR	3	Mandatory if DCA is provided
48	BENEFICIARY_ADDRESS1_FOR_DCA	User can enter the beneficiary's address line1 for Disbursement Credit Account Applicable only for CBT	VARCHAR2	200	Optional
49	BENEFICIARY_ADDRESS2_FOR_DCA	User can enter the beneficiary's address line2 for Disbursement Credit Account	VARCHAR2	200	Optional
50	BENEFICIARY_ADDRESS3_FOR_DCA	User can enter the beneficiary's address line3 for Disbursement Credit Account	VARCHAR2	200	Optional
51	BENEFICIARY_ADDRESS4_FOR_DCA	User can enter the beneficiary's address line4 for Disbursement Credit Account	VARCHAR2	200	Optional
52	BENEFICIARY_COUNTRY_FOR_DCA	User can enter the beneficiary's country for Disbursement Credit Account	VARCHAR2	50	Optional
53	BENEFICIARY_PHONE_FOR_DCA	User can enter the beneficiary's Phone number for Disbursement Account	VARCHAR2	20	Optional
54	BENEFICIARY_EMAIL_FOR_DCA	User can enter the beneficiary's email id for Disbursement Credit Account	VARCHAR2	50	Optional
55	BANK_NAME_FOR_DCA	User can mentioned the Name of the Bank	VARCHAR	200	Mandatory if DCA is provided and BIC is null



Table 3-5 (Cont.) Debit Note - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
56	BRANCH_NAME_FOR_DCA	User can mentioned the Branch code of the DCA	VARCHAR	3	Mandatory if DCA is provided and BIC is null
57	BANK_IDENTIFIER_CODE_FOR_DCA	User can enter the IFSC code here if Payment Credit Mode if EFT and can enter the swift BIC if the Payment credit mode is CBT	VARCHAR	11	Mandatory if DCA is provided and Bank Name is null
58	INTERMEDIARY_BANK_IDENTIFIER_CODE_FOR_DCA	User can enter the Intermediary bank swift code here if Payment Credit Mode is CBT	VARCHAR	11	Optional
59	INTERMEDIARY_BANK_NAME_FOR_DCA	User can mentioned the Intermediary Bank Name	VARCHAR	200	Optional
60	INTERMEDIARY_BANK_ADDRESS1_FOR_DCA	User can mentioned the Intermediary Bank Address	VARCHAR	200	Optional
61	INTERMEDIARY_BANK_ADDRESS2_FOR_DCA	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional
62	INTERMEDIARY_BANK_ADDRESS3_FOR_DCA	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional
63	INTERMEDIARY_BANK_ADDRESS4_FOR_DCA	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional
64	ADJUST_REASON_CODE	Reason for Adjustment	VARCHAR2	2	N
65	REMARKS	Remarks	VARCHAR2	1400	N
66	FILLER1	Additional Field	DATE Format: YYYY-MM-DD	-	N
67	FILLER2	Additional Field	VARCHAR2	25	N
68	FILLER3	Additional Field	VARCHAR2	25	N
69	FILLER4	Additional Field	VARCHAR2	25	N
70	FILLER5	Additional Field	VARCHAR2	25	N
71	FILLER6	Additional Field	VARCHAR2	25	N
72	FILLER7	Additional Field	VARCHAR2	25	N
73	FILLER8	Additional Field	VARCHAR2	25	N

Table 3-5 (Cont.) Debit Note - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
74	FILLER9	Additional Field	VARCHAR2	25	N
75	FILLER10	Additional Field	VARCHAR2	25	N
76	SHIPMENT_NO	Shipment Number	VARCHAR2	20	N
77	SHIPMENT_DATE	Date of Shipment	DATE Format: YYYY-MM-DD	-	N
78	SHIPMENT_ADDRESS	Address of Shipment	VARCHAR2	150	N
79	SHIPMENT_COUNTRY	Country of Shipment	VARCHAR2	3	N
80	EXPORT_REASON	Reason of Export	VARCHAR2	50	N
81	SALE_TERMS	Terms of Sale	VARCHAR2	3	N
82	PAYMENT_TERMS	Terms of Payment	VARCHAR2	150	N
83	COUNTRY_OF_ORIGIN	Country of Origin of Shipment	VARCHAR2	3	N
84	FUNDING_REQ_DATE	Funding Date	DATE Format: YYYY-MM-DD	-	N
-	<b>COMMODITIES</b>	-	-	-	-
1	INDICATOR	Commodity Indicator	VARCHAR2	1	CM
2	INVOICE_NUMBER	Invoice Number	VARCHAR2	25	CM
3	COMMODITY_CODE	Commodity Code	VARCHAR2	20	CM
4	COMMODITY_NAME	Commodity Name	VARCHAR2	50	CM
5	QUANTITY	Quantity	NUMBER	28,4	CM
6	UNIT_COST	Cost per Unit of the commodity	NUMBER	28,4	CM
7	TOTAL_COST	Total Cost of the commodity	NUMBER	28,4	CM
8	TAX_AMOUNT	Tax amount of the commodity	NUMBER	28,4	CM
9	DISCOUNT_AMOUNT	Discount amount of the commodity	NUMBER	28,4	CM
10	NET_COST	Net Amount of the commodity	NUMBER	28,4	CM

## 3.5 Relationship

Relationship File Upload is used for the bulk creation of Relationships.

**File Naming Convention:** OBSCF-RELATIONSHIP-MASTER\_suffix

For example: OBSCF-RELATIONSHIP-MASTER\_27april2020

**File Format:** .csv

The following table describes the details of file structure.

**Table 3-6 Relationship - File Structure**

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
1	INDICATOR	Corporate Indicator	VARCHAR2	1	Y
2	CORPORATE_ID	Corporate Id	VARCHAR2	20	Y
3	EFF_FROM_DATE	Effective From Date	DATE Format: YYYY-MM-DD	-	CM
4	EXPIRES_ON	Expires On	DATE Format: YYYY-MM-DD	-	N
5	AUTO_DEBIT_APPLICABLE	Automatic Debit Applicable	VARCHAR2	1	CM
6	HOLIDAY_TREATMENT	Holiday Treatment	CHAR	3	CM
7	AUTO_ACCEPTANCE	Automatic Acceptance	VARCHAR2	1	N
8	NO_OF_DAYS	Number Of Days	NUMBER	3	CM
9	ALLOW_OVERDUE_RCV	Allow Overdue Receivables	VARCHAR2	1	N
10	MAX_DAYS_OVERDUE	Maximum Days Overdue	NUMBER	3	N
11	EXCESS_HANDLING	Excess Handling	VARCHAR2	50	N
12	EXCESS_REFUND_PARTY	Excess Refund Party	VARCHAR2	20	N
13	EXCESS_REFUND_PAYMENT_MODE	Refund Payment Mode	VARCHAR2	20	N
14	VALIDATE_LINKED_PO	Validate Linked PO	VARCHAR2	1	N
15	PAY_AUTO_DEBIT_APPLICABLE	Automatic Debit Applicable for payables	VARCHAR2	1	N
16	PAY_HOLIDAY_TREATMENT	Holiday Treatment for payables	VARCHAR2	3	CM
17	PAY_AUTO_ACCEPTANCE	Automatic Acceptance for payables	VARCHAR2	1	N
18	PAY_NO_OF_DAYS	Number Of Days for payables	NUMBER	3	CM

Table 3-6 (Cont.) Relationship - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
19	PAY_ALLOW_OVERDUE_RCV	Allow Overdue Receivables for payables	VARCHAR2	1	N
20	PAY_MAX_DAYS_OVERDUE	Maximum Days Overdue for payables	NUMBER	3	N
21	PAY_VALIDATE_LINKED_PO	Validate Linked PO for payables	VARCHAR2	1	N
22	PAY_EXCESS_HANDLING	Excess Handling for payables	VARCHAR2	50	N
23	PAY_EXCESS_REFUND_PARTY	Excess Refund Party for payables	VARCHAR2	20	N
24	PAY_EXCESS_REFUND_PAYMENT_MODE	Refund Payment Mode for payables	VARCHAR2	20	N
-	<b>COUNTERPARTIES</b>	-	-	-	N
1	INDICATOR	Counter Party Indicator	VARCHAR2	1	Y
2	CORPORATE_ID	Corporate Id	VARCHAR2	20	Y
3	COUNTERPARTYID	Counter Party Id	VARCHAR2	20	CM
4	REGISTRATION_NUMBER	Registration Number	VARCHAR2	30	CM
5	PARTY_TYPE	Party Type	VARCHAR2	5	Y
6	STATUS	Status	VARCHAR2	2	N
7	PROGRAM_CODE	Program Code	VARCHAR2	20	N
8	NAME	Name	VARCHAR2	105	Y
9	SHORT_NAME	Short Name	VARCHAR2	105	N
10	INDUSTRY	Industry	CHAR	20	N
11	CATEGORY	Category	VARCHAR2	20	N
12	ADDRESS_TYPE	Address Type	VARCHAR2	15	Y
13	COUNTRY_CODE	Country Code	VARCHAR2	3	Y
14	ADDRESS_LINE_1	Address Line 1	VARCHAR2	105	Y
15	ADDRESS_LINE_2	Address Line 2	VARCHAR2	105	N
16	ADDRESS_LINE_3	Address Line 3	VARCHAR2	105	N

Table 3-6 (Cont.) Relationship - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
17	ADDRESS_LINE_4	Address Line 4	VARCHAR2	105	N
18	PIN	Pin Code	VARCHAR2	20	Y
19	COUNTRY	Country	VARCHAR2	105	CM
20	PREFERRED_COMM_MODE	Preferred Communication Mode	VARCHAR2	10	Y
21	MOBILE_NUMBER	Mobile Number	VARCHAR2	20	CM
22	PHONE_NUMBER	Phone Number	VARCHAR2	20	CM
23	EMAIL	Email	VARCHAR2	50	CM
24	FAX_NUMBER	Fax Number	VARCHAR2	20	CM
25	TAX_REF_NO_1	Tax Reference Number 1	VARCHAR2	50	N
26	TAX_REF_NO_2	Tax Reference Number 2	VARCHAR2	50	N
27	GIIN	Giin	VARCHAR2	50	N
28	EXPIRES_ON	Expires On	DATE Format: YYYY-MM-DD	-	Y
29	AUTO_DEBIT_APPLICABLE	Automatic Debit Applicable	VARCHAR2	1	N
30	HOLIDAY_TREATMENT	Holiday Treatment	CHAR	3	N
31	AUTO_ACCEPTANCE	Automatic Acceptance	VARCHAR2	1	Y
32	NO_OF_DAYS	Number Of Days	NUMBER	3	N
33	EXTERNAL_CODE	External Code	VARCHAR2	30	N
34	DIVISION_CODE	Division Code	VARCHAR2	30	N
35	CORPORATE_DIVISION_CODE	Corporate Division Code	VARCHAR2	30	N
36	ALLOW_OVERDUE_RCV	Allow Overdue Receivables	VARCHAR2	1	N
37	MAX_DAYS_OVERDUE	Maximum Days Overdue	NUMBER	3	N
38	EXCESS_HANDLING	Excess Handling	VARCHAR2	50	N
39	EXCESS_REFUND_PARTY	Excess Refund Party	VARCHAR2	20	N

Table 3-6 (Cont.) Relationship - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
40	EXCESS_RE FUND_PAYM ENT_MODE	Refund Payment Mode	VARCHAR2	20	N
41	VALIDATE_LI NKED_PO	Validate Linked PO	VARCHAR2	1	N

## 3.6 Purchase Order

Purchase Order File Upload is used for the bulk creation of Purchase Orders.

**File Naming Convention:** OBSCF-PURCHASE-ORDER-BUYER\_suffix or OBSCF-PURCHASE-ORDER-SELLER\_suffix

For example: OBSCF-PURCHASE-ORDER-BUYER\_12March2022

**File Format:** .csv

The following table describes the details of file structure.

Table 3-7 Purchase Order - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
1	INDICATOR	Indicator	VARCHAR2	1	Y
2	PO_EXTERN AL_NUMBER	Purchase Order External Ref Number	VARCHAR2	25	Y
3	PO_DATE	Date of Purchase Order	DATE Format: YYYY-MM-DD	-	Y
4	PROMISED_ SHIPMENT_ DATE	Promised Shipment Date	DATE Format: YYYY-MM-DD	-	Y
5	CURRENCY	Currency of Purchase Order	VARCHAR2	10	Y
6	BASE_PO_A MOUNT	Amount of Purchase Order	NUMBER	28,4	Y
7	BUYER_ID	Buyer ID	VARCHAR2	20	Y
8	SUPPLIER_I D	Supplier ID	VARCHAR2	20	Y
9	BUYER_NAM E	Name of the Buyer	VARCHAR2	200	N
10	SUPPLIER_N AME	Name of the Supplier	VARCHAR2	200	N
11	DISCOUNT	Amount of Discount	NUMBER	28,4	N
12	TAX_AMOUN T	Tax amount	NUMBER	28,4	N
13	NET_PO_AM OUNT	Net Purchase Order Amount	NUMBER	28,4	N

Table 3-7 (Cont.) Purchase Order - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
14	ACCEPTANCE_AMOUNT	Acceptance Amount	NUMBER	28,4	N
15	BUYER_DIVISION_CODE	Buyer Division Code	VARCHAR2	20	N
16	SUPPLIER_DIVISION_CODE	Supplier Division Code	VARCHAR2	20	N
17	PREACCEPTED	Pre Accepted Flag,Y/N	VARCHAR2	1	N
18	FUNDING_REQUIRED_AMOUNT	Required Funding Amount	NUMBER	28,4	N
19	PROGRAM_ID	Program Id	VARCHAR2	20	N
20	SHIPMENT_ADDR1	Shipment Address line 1	VARCHAR2	150	N
21	SHIPMENT_ADDR2	Shipment Address line 2	VARCHAR2	150	N
22	SHIPMENT_ADDR3	Shipment Address line 3	VARCHAR2	150	N
23	COUNTRY	Name of the Country	VARCHAR2	20	N
24	ZIPCODE	Zipcode	VARCHAR2	20	N
25	CITY	Name of the City	VARCHAR2	30	N
26	TAX_ID	Tax Id number	VARCHAR2	30	N
27	FILLER1	Additional field	VARCHAR2	25	N
28	FILLER2	Additional field	VARCHAR2	25	N
29	FILLER3	Additional field	VARCHAR2	25	N
30	FILLER4	Additional field	VARCHAR2	25	N
31	FILLER5	Additional field	VARCHAR2	25	N
32	FILLER6	Additional field	VARCHAR2	25	N
33	PO_ID	Po Id	VARCHAR2	40	N
34	DISBURSEMENT_CREDIT_ACCOUNT (hereafter referred as DCA)	User can enter an account number to receive the disbursement proceeds to PO finance. payment. Can be a CASA or a GL account. If its an IBAN number then should be mentioned in the same field	VARCHAR2	50	Optional
35	ACCOUNT_NAME_FOR_DCA	User should mention the account name for Disbursement credit account	VARCHAR2	200	Mandatory if DCA is provided
36	PAYMENT_CREDIT_MODE_FOR_DCA	User should mention whether it is an internal account transfer or EFT or Cross Border Transfer. Acceptable values are 'Internal', 'EFT' or 'CBT'	VARCHAR2	9	Mandatory if DCA is provided
37	BENE_ADDR1_FOR_DCA	User can enter the beneficiary's address line1 for Disbursement credit Account Applicable only for CBT	VARCHAR2	200	Optional

Table 3-7 (Cont.) Purchase Order - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
38	BENE_ADDR2_FOR_DCA	User can enter the beneficiary's address line2 for Disbursement credit Account	VARCHAR2	200	Optional
39	BENE_ADDR3_FOR_DCA	User can enter the beneficiary's address line3 for Disbursement credit Account	VARCHAR2	200	Optional
40	BENE_ADDR4_FOR_DCA	User can enter the beneficiary's address line4 for Disbursement credit Account	VARCHAR2	200	Optional
41	BENE_CNTRY_FOR_DCA	User can enter the beneficiary's country for Disbursement credit Account	VARCHAR2	50	Optional
42	BENE_PHONE_FOR_DCA	User can enter the beneficiary's Phone number for Disbursement credit Account	VARCHAR2	20	Optional
43	BENE_EMAIL_FOR_DCA	User can enter the beneficiary's email id for Disbursement credit Account	VARCHAR2	50	Optional
44	BANK_NAME_FOR_DCA	User can mentioned the Name of the Bank	VARCHAR2	200	Mandatory if DCA is provided and BIC is null
45	BRANCH_CODE_FOR_DCA	User can mentioned the Branch code of the DCA	VARCHAR2	3	Mandatory if DCA is provided and BIC is null
46	BANK_IDENTIFIER_CODE_FOR_DCA	User can enter the IFSC code here if Payment Credit Mode if EFT and can enter the swift BIC if the Payment credit mode is CBT	VARCHAR2	11	Mandatory if DCA is provided and BIC is null
47	INTERMEDIARY_BANK_CODE_FOR_DCA	User can enter the Intermediary bank swift code here if Payment Credit Mode is CBT	VARCHAR2	11	Optional
48	INTERMEDIARY_BANK_NAME_FOR_DCA	User can mentioned the Intermediary Bank Name	VARCHAR2	200	Optional
49	INTERMEDIARY_BANK_ADDRESS1_FOR_DCA	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional
50	INTERMEDIARY_BANK_ADDRESS2_FOR_DCA	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional



Table 3-7 (Cont.) Purchase Order - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
51	INTERMEDIARY_BANK_ADDRESS3_FOR_DCA	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional
52	INTERMEDIARY_BANK_ADDRESS4_FOR_DCA	User can mentioned the Intermediary Bank Address	VARCHAR2	200	Optional
-	<b>COMMODITIES</b>	-	-	-	-
1	INDICATOR	Commodity Indicator	VARCHAR2	1	CM
2	COMMODITY_CODE	Commodity Code	VARCHAR2	20	CM
3	COMMODITY_NAME	Commodity Name	VARCHAR2	50	CM
4	QUANTITY	Quantity	NUMBER	28,4	CM
5	UNIT_COST	Cost per Unit of the commodity	NUMBER	28,4	CM
6	TOTAL_COST	Total Cost of the commodity	NUMBER	28,4	CM
7	TAX_AMOUNT	Tax amount of the commodity	NUMBER	28,4	CM
8	DISCOUNT_AMOUNT	Discount amount of the commodity	NUMBER	28,4	CM
9	NET_COST	Net Amount of the commodity	NUMBER	28,4	CM

## 3.7 Payment

Payment File Upload is used for the bulk creation of Payments.

**File Naming Convention:** OBSCF-PAYMENT\_suffix

For example: OBSCF-PAYMENT\_18Oct2022

**File Format:** .csv

The following table describes the details of file structure.

Table 3-8 Payment - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
1	DEBIT_CREDIT_INDICATOR	Debit/Credit Indicator	VARCHAR2	1	CM
2	PAYMENT_NUMBER	Payment Number	VARCHAR2	50	Y
3	CURRENCY	Payment Currency	VARCHAR2	3	Y
4	AMOUNT	Payment Amount	NUMBER	28,4	Y

Table 3-8 (Cont.) Payment - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
5	GEN_APPROPRIATION	Generic Appropriation	VARCHAR2	4	N
6	SPEC_APPROPRIATION	Specific Appropriation	VARCHAR2	100	N
7	PAYMENT_MODE	Mode of Payment	VARCHAR2	20	Y
8	PAYMENT_DATE	Date of Payment	DATE Format: YYYY-MM-DD	-	Y
9	PAYMENT_PARTY_CODE	External Code of the Payment Party	VARCHAR2	30	N
10	COUNTERPARTY_CODE	External Code of the Counter Party	VARCHAR2	30	N
11	VIRTUAL_ACCOUNT_FLAG	Virtual Account Flag Y/N	VARCHAR2	1	N
12	CREDIT_ACCOUNT_NO	Credit account number	VARCHAR2	35	N
13	AUTO_RECONCILE	Auto Reconciliation Y/N	VARCHAR2	1	N
14	FLAG	Category Flag	VARCHAR2	1	Y
15	ENTITY_REFERENCE_NO	Entity Reference Number	VARCHAR2	50	N
16	REMARKS	Remarks	VARCHAR2	150	N
17	PAYMENT_PARTY_ID	Payment Party Id	VARCHAR2	20	N
18	PAYMENT_PARTY_NAME	Name of Payment Party	VARCHAR2	105	N
19	COUNTERPARTY_ID	Counter Party Id	VARCHAR2	20	N
20	COUNTERPARTY_NAME	Name of Counter Party	VARCHAR2	105	N
21	BENEFICIARY_ID	Beneficiary Party Id	VARCHAR2	20	N
22	BENEFICIARY_NAME	Name of Beneficiary	VARCHAR2	105	N
23	PROGRAM_CODE	Program Code	VARCHAR2	255	N
24	REMITTER_ACCOUNT_NO	Remitter Account number	VARCHAR2	35	N
25	BANK_CODE	Bank Code	VARCHAR2	30	N
26	EFT_REFERENCE_NO	Electronic Fund Transfer Reference Number	VARCHAR2	35	N
27	INSTRUMENT_DATE	Date of Instrument	DATE Format: YYYY-MM-DD	-	N
28	INSTRUMENT_BANK	Bank of Instrument	VARCHAR2	50	N

Table 3-8 (Cont.) Payment - File Structure

Sequence Number	Field Name	Description	Data Type	Field Length	Mandatory (Y/CM/N)
29	INSTRUMENT_BRANCH	Branch of Instrument	VARCHAR2	50	N
30	MANDATE_REFERENCE_NO	Reference number of Mandate	VARCHAR2	35	N
31	CREDIT_NOTE_REFERENCE_NO	Reference number of Credit Note	VARCHAR2	35	N
32	ALLOCATION_REQUIRED	Allocation to Virtual Account Y/N	VARCHAR2	1	Y
33	FILLER1	Additional Field	VARCHAR2	25	N
34	FILLER2	Additional Field	VARCHAR2	25	N
35	FILLER3	Additional Field	VARCHAR2	25	N
36	FILLER4	Additional Field	VARCHAR2	25	N
37	FILLER5	Additional Field	VARCHAR2	25	N
38	FILLER6	Additional Field	VARCHAR2	25	N
39	FILLER7	Additional Field	VARCHAR2	25	N
40	FILLER8	Additional Field	VARCHAR2	25	N
41	FILLER9	Additional Field	VARCHAR2	25	N
42	FILLER10	Additional Field	VARCHAR2	25	N
43	IS_PUA	Payment Under Approval	VARCHAR2	1	N
44	IS_INDIRECT_PAYMENT	Indirect Payment	VARCHAR2	1	N
45	BANK_CHARGE_AMT	Bank Charges	NUMBER	28,4	N
46	DEDUC_AMT	Deduction Amount	NUMBER	28,4	N
47	INSTRUMENT_CLEARED	Instrument Cleared	VARCHAR2	1	N
48	EXTERNAL_CHANNEL_IDENTIFIER_REFERENCE	External Channel Identifier Reference Number	VARCHAR2	255	N

# 4

## Events

This topic provides the information on the list of events in the Oracle® Banking Supply Chain Finance.

Refer to the ***Async API for Oracle Banking Supply Chain Finance*** for the event details.

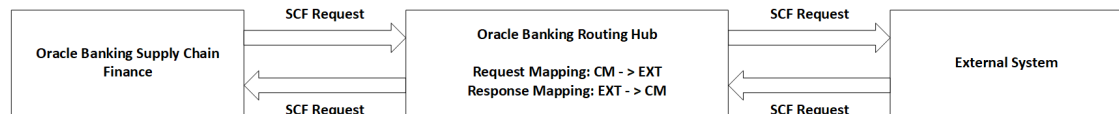
# 5

## Outbound API calls through Oracle Banking Routing Hub

This topic provides the information on the outbound API calls to Oracle® Banking Supply Chain Finance.

Oracle Banking Routing Hub enables seamless and standardized integrations between FSGBU Banking Products using configurations provided as part of the product Infrastructure.

**Figure 5-1 Oracle Banking Routing Hub Integration**



For more details on configuration, refer to ***Routing Hub Configuration User Guide***.

Oracle® Banking Supply Chain Finance supports the outbound API calls from the below-listed products through Oracle Banking Routing Hub.

- [Oracle Banking Corporate Lending](#)  
Oracle® Banking Corporate Lending requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:
- [Oracle Banking Enterprise Limits and Collateral Management](#)  
Oracle Banking Enterprise Limits and Collateral Management requires the following services for Oracle® Banking Supply Chain Finance. Make sure that the following services are available before the implementation:
- [Oracle FLEXCUBE Universal Banking](#)  
Oracle® FLEXCUBE Universal Banking requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:
- [Oracle Banking Cash Management](#)  
Oracle® Banking Cash Management requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:
- [Oracle Banking Virtual Account Management](#)  
Oracle® Banking Virtual Account Management requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:
- [Oracle Banking Payments](#)  
Oracle® Banking Payments requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:

- [FCI Messages](#)  
FCI Messages requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:
- [Alerts](#)  
Alerts requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:
- [Service Level Agreement](#)  
Service Level Agreement requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:
- [Finance Dedupe](#)  
This topic describes about the finance dedupe.

## 5.1 Oracle Banking Corporate Lending

Oracle® Banking Corporate Lending requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:

**Table 5-1 Corporate Lending Integration Touch Points**

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
Product Mapping	Day0 Set Up	Used in invoking API of Loan Processor during Transaction Processing.	-	-
Get Interest Details	Master Maintenance - Preferential Pricing	Used to get Interest Parameters which would be overridden by the user maintaining Preferential pricing for a Customer, program, Product etc. in SCF.	Product Code	Interest Type (Front Ended/Rear Ended)
	Processing - Finance Workflow	Used to get Interest Parameters during Transaction Processing if no set up of Preferential pricing is available, User can override these parameters and these parameters are sent to Loan processor during Loan Creation.	Product Code	<ul style="list-style-type: none"> <li>• Interest Rate Type (Floating/Fixed)</li> <li>• Interest Rate Code (in case of Floating)</li> <li>• Interest Rate (with slabs if applicable)</li> <li>• Spread if any (with +ve, -ve indicator)</li> <li>• Rate Reset Details (with Floating Rate)</li> </ul>

Table 5-1 (Cont.) Corporate Lending Integration Touch Points

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
Get Overdue Interest Details	Master Maintenance - Preferential Pricing	Used to get Overdue Interest Parameters which would be overridden by the user maintaining Preferential pricing for a Customer, program, Product etc., in SCF.	Product Code	Overdue Interest Rate Type (Floating/Fixed)
	Processing - Finance Workflow	Used to get Overdue Interest Parameters during Transaction Processing if no set up of Preferential pricing is available, User can override these parameters and these parameters are sent to Loan processor during Loan Creation.	Product Code	<ul style="list-style-type: none"> <li>Overdue Interest Rate Code (in case of Floating)</li> <li>Overdue Interest Rate (with slabs if applicable)</li> <li>Spread if any (with +ve, -ve indicator)</li> <li>Rate Reset Details (with Floating Rate)</li> </ul>
Calculate Interest	Processing - Finance Workflow	Used to calculate Interest basis the Parameters sent by SCF.	<ul style="list-style-type: none"> <li>Interest Type (Front Ended/ Rear Ended)</li> <li>Interest Rate Type (Floating/ Fixed)</li> <li>Interest Rate Code (in case of Floating)</li> <li>Interest Rate (with slabs if applicable)</li> <li>Spread if any (with +ve, -ve indicator)</li> <li>Rate Reset Details (with Floating Rate)</li> <li>Transaction Amount &amp; Ccy</li> <li>Business Date</li> <li>Loan Start Date</li> <li>Loan End Date</li> </ul>	<ul style="list-style-type: none"> <li>Interest Amount &amp; Currency</li> <li>Exchange Rate (if Interest Currency is different from Transaction Currency)</li> </ul>

Table 5-1 (Cont.) Corporate Lending Integration Touch Points

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
Create Loan	Post Authorization - Finance Disbursement	Used to create a Loan in Loan Processor basis the Transaction Details and Loan Parameters sent from SCF. Additionally, RFR contracts are supported.	<ul style="list-style-type: none"> <li>OBSCF Finance Reference No</li> <li>Transaction Amount &amp; Ccy</li> <li>Business Date</li> <li>Loan Start Date</li> <li>Loan End Date</li> <li>Repayment Type (Bullet)</li> <li>Loan Processor's Product Code</li> <li>Interest Details (as mentioned in 4th point request)</li> <li>Overdue Interest Details (similar to Interest Details)</li> <li>Grace Days</li> <li>Limit Utilization Flag - would be sent as No</li> <li>Alternative Risk-Free Rate Flag must be Y for RFR</li> </ul>	<ul style="list-style-type: none"> <li>Loan Reference Number</li> <li>ICCF Calculation Details</li> <li>Amount Due Details</li> </ul>
Get Outstanding Details	EOD - Batch	Used to get Outstanding Details for any Loan from Loan Processor since calculation/Accrual/Amortization would happen in Loan Processor.	Loan Reference No	Principal Outstanding
	Post Authorization - Finance Disbursement	Used to get Outstanding Details for any Loan from Loan Processor since calculation/Accrual/Amortization would happen in Loan Processor.	Business Date	Interest outstanding as on Value Date



Table 5-1 (Cont.) Corporate Lending Integration Touch Points

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
	Post Authorization - Finance Settlement	Used to get Outstanding Details for any Loan from Loan Processor since calculation/Accrual/Amortization would happen in Loan Processor.	Value Date	Overdue Interest Outstanding as on Value Date
Loan Repayment	Post Authorization - Finance Settlement	Used to Partly Settle/Fully Settle Loan in Loan Processor.	<ul style="list-style-type: none"> <li>• Loan Reference No</li> <li>• Business Date</li> <li>• Value Date</li> <li>• Repayment Amount</li> <li>• Amount Paid Towards Principal</li> <li>• Amount Paid Towards Interest</li> <li>• Amount Paid Towards Overdue Interest</li> <li>• Accounting Information (Suppressing Posting of Accounting Entries from Loan Processor)</li> <li>• Limit Utilization Flag - would be sent as No</li> </ul>	<ul style="list-style-type: none"> <li>• Principal Outstanding</li> <li>• Total Interest Outstanding</li> <li>• Total Overdue Interest Outstanding</li> <li>• (If all the above components are 0 then loan would be marked as Fully Settled in OBSCF assuming it would have been fully settled in Loan Processor as well)</li> </ul>
Accounting Entries Mapping	Day0 Set up	Usage of a Bridge GL instead of actual customer/eft suspense accounts in OBCL.	-	-
Delinquency & NPA management	Day0 Set up	Used in OBSCF to display with other Product Parameters.	-	-
	EOD - Batch	Used to get the status (Delinquency bucket) of the loan.	<ul style="list-style-type: none"> <li>• Loan Reference No</li> <li>• Value Date</li> </ul>	Delinquency Bucket

**Table 5-1 (Cont.) Corporate Lending Integration Touch Points**

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
	EOD - Batch	Used to get the status of the Borrower.	<ul style="list-style-type: none"> <li>Borrower Id</li> <li>Value Date</li> </ul>	<ul style="list-style-type: none"> <li>Delinquency Bucket</li> <li>NPA (Yes/No)</li> </ul>
Query the Contract	Post Payment EOD - Batch	Used to get the compounding calculation.	Contract Reference No	<ul style="list-style-type: none"> <li>Interest Amount fields</li> <li>ICCF Contract fields</li> </ul>
Query the Accruals	Post Payment EOD - Batch	Used to query the interest accrued for front ended contract and to get liquidation count, amendment count, and reverse payment counts.	Contract Reference No	<ul style="list-style-type: none"> <li>Liquidation Count</li> <li>Amendment Count</li> <li>Reverse Payment Count</li> </ul>
Spread Change	EOD - Batch	Used to modify the contract spread.	<ul style="list-style-type: none"> <li>Contract Reference No</li> <li>Spread</li> </ul>	Interest Amount fields
Payment Reversal	Rejection of Payment	Used to reverse the payment.	Contract Reference No	Status
Fetch the Refund Amount	Before payment of front ended loans	Payment simulation to get refund details.	<ul style="list-style-type: none"> <li>Loan Reference No</li> <li>Business Date</li> <li>Value Date</li> <li>Repayment Amount</li> <li>Amount Paid Towards Principal</li> <li>Amount Paid Towards Interest</li> <li>Amount Paid Towards Overdue Interest</li> </ul>	Refund amount
Fetch Transaction Status	Rejection of transaction	Used to query the Customer information to fetch the contract reference no.	<ul style="list-style-type: none"> <li>Customer Id</li> <li>Finance Reference No</li> </ul>	Contract Reference No
Rejection of the Contract	Rejection of transaction	Used to reverse the contract.	<ul style="list-style-type: none"> <li>Contract Reference No</li> <li>Branch Code</li> </ul>	Status

Table 5-1 (Cont.) Corporate Lending Integration Touch Points

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
ModifyContAmend Sim	Before Modifying the transaction	Used to get the refund amount, and other interest details.	<ul style="list-style-type: none"> <li>• Maturity Date</li> <li>• Rate Type</li> <li>• Interest Basis</li> <li>• Rate Type</li> <li>• Fixed and Floating details</li> </ul>	<ul style="list-style-type: none"> <li>• Interest Details</li> <li>• Amount Due Details</li> <li>• Amount Settled Details</li> <li>• Contract ICCF Details</li> </ul>
ModifyContAmend	Modifying the transaction	Used to modify the maturity date, and interest details.	<ul style="list-style-type: none"> <li>• Maturity Date</li> <li>• Rate Type</li> <li>• Interest Basis</li> <li>• Rate Type</li> <li>• Fixed and Floating details</li> </ul>	<ul style="list-style-type: none"> <li>• Cashflow Details</li> <li>• Amount Due Details</li> </ul>

**Note**

\*Status, Error Code, and Error Description are mandatory response parameters in all touch points.

**Note**

We can invoke Oracle Banking Corporate Lending EOD and EOC Monitor from Oracle® Banking Supply Chain Finance, this gets called from DSL directly if Oracle Banking Corporate Lending integration is needed.

## 5.2 Oracle Banking Enterprise Limits and Collateral Management

Oracle Banking Enterprise Limits and Collateral Management requires the following services for Oracle® Banking Supply Chain Finance. Make sure that the following services are available before the implementation:

Table 5-2 Integration Touch Points

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
Limit Set Up	<ul style="list-style-type: none"> <li>Master Maintenance - Limits Set Up</li> <li>EOD</li> </ul>	<p>The purpose of the API is to fetch limits of a party from ELCM and maintain in SCF.</p> <p>This would also be invoked during EOD for batch updates to the maintained limits in SCF.</p>	<ul style="list-style-type: none"> <li>Party Id</li> <li>Currency</li> </ul>	<ul style="list-style-type: none"> <li>Line Id</li> <li>Sanctioned Limit Amount</li> <li>Limit Effective Date</li> <li>Limit Expiry Date</li> </ul>
Block Limits	Processing - Finance Workflow	The purpose of the API is to block limits of the party whose limits are to be utilized in transaction in ELCM.	<ul style="list-style-type: none"> <li>Party Id</li> <li>Amount</li> <li>Currency</li> <li>Line Id</li> <li>Reference No</li> <li>Action</li> </ul>	<ul style="list-style-type: none"> <li>Error Code</li> <li>Error Description</li> <li>ELCM Reference No</li> </ul>
Utilize Limits	Post Authorization - Finance Workflow	<p>The purpose of the API is to utilize the limits of the party whose limits were blocked during Processing.</p> <p>It will unblock and utilize the limits simultaneously.</p> <p>This would be used in disbursement.</p>	<ul style="list-style-type: none"> <li>Line Id</li> <li>Reference No</li> <li>ELCM Reference No</li> <li>Amount</li> <li>Currency</li> <li>Action</li> </ul>	<ul style="list-style-type: none"> <li>Error Code</li> <li>Error Description</li> </ul>
Release Limits	Post Authorization - Finance Workflow	<p>The purpose of the API is to release the limits of the party whose limits were utilized during Disbursement.</p> <p>It will be invoked during Settlement.</p>	<ul style="list-style-type: none"> <li>Line Id</li> <li>Reference No</li> <li>ELCM Reference No</li> <li>Amount</li> <li>Currency</li> <li>Action</li> </ul>	<ul style="list-style-type: none"> <li>Error Code</li> <li>Error Description</li> <li>ELCM Reference No</li> </ul>
Unblock Limits	Authorization Reject/Rollback - Finance Workflow	<p>The purpose of the API is to unblock the limits of the party whose limits were blocked during Processing.</p> <p>It will be invoked during disbursement.</p>	<ul style="list-style-type: none"> <li>Line Id</li> <li>Reference No</li> <li>ELCM Reference No</li> <li>Amount</li> <li>Currency</li> <li>Action</li> </ul>	<ul style="list-style-type: none"> <li>Error Code</li> <li>Error Description</li> <li>ELCM Reference No</li> </ul>

Table 5-2 (Cont.) Integration Touch Points

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
Query the Limit Details	<ul style="list-style-type: none"> <li>Processing - Finance Workflow</li> <li>EOD</li> </ul>	The purpose of the API is to fetch the liability number and line ID from ELCM.	Customer Id	<ul style="list-style-type: none"> <li>Liability No</li> <li>Liability No</li> <li>Line ID</li> <li>Available Amount</li> <li>Start Date</li> <li>Expiry Date</li> </ul>

**Note**

\*Status, Error Code, and Error Description are mandatory response parameters in all touch points.

## 5.3 Oracle FLEXCUBE Universal Banking

Oracle® FLEXCUBE Universal Banking requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:

The following table describes the details of the integration touch points.

Table 5-3 FLEXCUBE Integration Touch Points

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
Create ECA Block	Processing - Finance Workflow	The purpose of the API is to create an ECA block for the debit accounts of parties (buyer) in transaction if a debit has to happen as part of accounting entries.	<ul style="list-style-type: none"> <li>Customer Account No</li> <li>Branch</li> <li>Amount</li> <li>Currency</li> <li>Source System</li> <li>Operation</li> </ul>	<ul style="list-style-type: none"> <li>Ref No</li> <li>Error Code</li> <li>Error Description</li> </ul>
Cancel ECA Block	Authorization - Reject/Rollback - Finance Workflow	The purpose of the API is to cancel the ECA block in case Authorizer rejects the transaction or transaction is rolled back before handoff of accounting entries.	<ul style="list-style-type: none"> <li>Customer Account No</li> <li>Branch</li> <li>Amount</li> <li>Currency</li> <li>Source System</li> <li>Operation</li> </ul>	<ul style="list-style-type: none"> <li>Ref No</li> <li>Error Code</li> <li>Error Description</li> </ul>

Table 5-3 (Cont.) FLEXCUBE Integration Touch Points

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
Post Accounting Entries	Post Authorization - Finance Workflow	The purpose of the API is to post accounting entries to FCUBS after the transaction is authorized or reverse the accounting entries in case transaction is rolled back after posting of accounting entries.	<ul style="list-style-type: none"> <li>Module</li> <li>Dr/Cr Indicator</li> <li>Event</li> <li>Account Branch</li> <li>Account No</li> <li>Account Currency</li> <li>Amount</li> <li>LCY Amount</li> <li>ECA Block Ref No</li> <li>Block Release Status</li> </ul>	<ul style="list-style-type: none"> <li>Ref No</li> <li>Error Code</li> <li>Error Description</li> </ul>
Query Pricing	Calling pricing	The purpose of the API is to fetch external pricing for charge calculation if any external pricing method is applicable	<ul style="list-style-type: none"> <li>Currency</li> <li>Pricing Code</li> <li>Product Code</li> <li>Transaction Ref No</li> <li>Attribute Name</li> <li>Attribute Value</li> </ul>	<ul style="list-style-type: none"> <li>Pricing details</li> <li>Fee Details</li> <li>Rate Details</li> <li>Exchange Rate Details</li> <li>Ede Code and Value</li> </ul>

**Note**

\*Status, Error Code, and Error Description are mandatory response parameters in all touch points.

## 5.4 Oracle Banking Cash Management

Oracle® Banking Cash Management requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:

The following table describes the details of the integration touch points.

**Table 5-4 Cash Management Integration Touch Points**

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
Publish Invoice/ Debit Note to Cashflow Engine	Upload Invoice/ Debit Note	The purpose of the API is to provide accurate forecasts of guaranteed cashflows.	<ul style="list-style-type: none"> <li>• Branch Code</li> <li>• Invoice Model</li> </ul>	<ul style="list-style-type: none"> <li>• External Reference Number</li> <li>• Cashflow Indicator</li> <li>• Corporate ID</li> <li>• Code</li> <li>• Description</li> <li>• Amount</li> <li>• Currency</li> <li>• Expected Date</li> <li>• Channel</li> <li>• Application Name</li> </ul>
Publish Recon of Invoice/Debit Note to Payment/ Credit Note to Cashflow Engine	Invoice/Debit Note to Payment/ Credit Note Reconciliation	The purpose of the API is to provide accurate forecasts of guaranteed cashflows.	<ul style="list-style-type: none"> <li>• Branch Code</li> <li>• External Transaction Ref No</li> <li>• Party Id</li> <li>• User Id</li> </ul>	<ul style="list-style-type: none"> <li>• External Reference Number</li> <li>• Cashflow Indicator</li> <li>• Corporate ID</li> <li>• Code</li> <li>• Description</li> <li>• Amount</li> <li>• Currency</li> <li>• Expected Date</li> <li>• Channel</li> <li>• Application Name</li> </ul>

## 5.5 Oracle Banking Virtual Account Management

Oracle® Banking Virtual Account Management requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:

The following table describes the details of the integration touch points.

**Table 5-5 Virtual Account Management Integration Touch Points**

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
Get Account Details	Search in Manual Recon for Invoices & Payments	The purpose of the API is to fetch Virtual Account Nos of a Corporate and display in LOV for user selection so that user can search Invoices/ Payments for reconciliation having the selected virtual account no.	<ul style="list-style-type: none"> <li>Corporate Id</li> <li>Source System</li> </ul>	<ul style="list-style-type: none"> <li>Corporate Id</li> <li>Multiple Virtual Account</li> <li>Numbers</li> <li>Real Account</li> <li>Account</li> <li>Currency</li> </ul>
Account Product	Allocation	The purpose of the API is to fetch Virtual Account Transaction Codes	<ul style="list-style-type: none"> <li>Transaction Code</li> <li>Transaction Description</li> <li>Source System</li> <li>Source System Trn Code</li> </ul>	Account Product Details
Post Allocation	Allocation	The purpose of the API is to post the allocation details to Virtual Account Management with Skip DDA	<ul style="list-style-type: none"> <li>vat Request Det Service DTO</li> <li>Source Code</li> <li>Source Reference No</li> </ul>	<ul style="list-style-type: none"> <li>Transaction Master DTO</li> <li>Reverse Allocation DTO</li> </ul>
Virtual Account Post	Account Posting	The purpose of the API is to fetch the virtual account transaction code	<ul style="list-style-type: none"> <li>vat Request Det Service DTO</li> <li>Source Code</li> <li>Source Reference No</li> </ul>	<ul style="list-style-type: none"> <li>Transaction Reference No</li> <li>Source Reference No</li> <li>Transaction Status</li> </ul>
Corporate Details	Allocation	The purpose of the API is to fetch corporate details for the given Virtual Account Number	Virtual Account No	VAM Virtual Account Details
Reverse Allocation	Allocation	The purpose of the API is to reverse the allocation	<ul style="list-style-type: none"> <li>Transaction Reference No</li> <li>Action</li> </ul>	<ul style="list-style-type: none"> <li>Links</li> <li>Reversal Transaction Reference No</li> <li>Transaction Master DTO</li> </ul>
Virtual Account Details	Recon Rule setup	The purpose of the API is to fetch Virtual Account Details	<ul style="list-style-type: none"> <li>Virtual Entity ID</li> <li>Real Customer No</li> <li>Virtual Account No</li> </ul>	VAM Virtual Account Details



## 5.6 Oracle Banking Payments

Oracle® Banking Payments requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:

The following table describes the details of the integration touch points.

**Table 5-6 Payments Integration Touch Points**

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
<b>CreatePMSinglePayOut</b>	Invoice Payment Reconciliation	The purpose of the file is to get incoming payment details which is used for Invoice Payment Reconciliation during Auto and Manual reconciliation. This is called from finance and instruments	<ul style="list-style-type: none"> <li>• External Bank Name</li> <li>• OBPM Branch Code</li> <li>• Sequence No</li> <li>• Program Code</li> <li>• Processing Date</li> <li>• Debit Account Type</li> <li>• Branch Code</li> <li>• Source Code</li> <li>• External Branch Name</li> <li>• Finance Ref No</li> <li>• User Reference</li> <li>• Beneficiary Name</li> <li>• Account Party Id</li> <li>• Network Code</li> <li>• Transaction Currency</li> <li>• External Account</li> <li>• Host Code</li> <li>• Debit Account Number</li> <li>• Source Reference</li> <li>• Remittance Info</li> <li>• Accounting Transaction</li> </ul>	<ul style="list-style-type: none"> <li>• Indicator</li> <li>• Payment No</li> <li>• Payment Currency</li> <li>• Payment Amount</li> <li>• Payment Mode</li> <li>• Payment Date</li> <li>• Conditional mandatory</li> <li>• Beneficiary Code</li> <li>• Virtual A/c Flag</li> <li>• Credit Account No Flag</li> <li>• Entity Ref No</li> <li>• Remarks</li> <li>• Payment Party Id</li> <li>• Beneficiary Id</li> <li>• Program Code</li> <li>• Remitter Account No</li> <li>• Bank Code</li> <li>• EFT Ref No</li> <li>• Instrument Date</li> <li>• Instrument Bank</li> <li>• Instrument Branch</li> <li>• Mandate Reference Number</li> <li>• Credit Note Reference Number</li> </ul>

Table 5-6 (Cont.) Payments Integration Touch Points

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
<b>Create External Consumer Loan</b>	Post Finance Disbursement & Post Instrument Disbursement	The purpose of the API is to post the finance data to OBPM	<ul style="list-style-type: none"> <li>Account Status</li> <li>Customer Id</li> <li>Host Code</li> <li>Loan Branch</li> <li>Loan Account Number</li> <li>Account Currency</li> <li>Source Account Branch</li> <li>Source Customer Account</li> <li>Source System</li> </ul>	<ul style="list-style-type: none"> <li>Status</li> <li>Loan Account Number</li> <li>Source Code</li> </ul>
<b>Swift Message Adoption</b>	External Payment Integration	When the payment mode is selected as Cross Border Transfer, this API will be used for external payment	<ul style="list-style-type: none"> <li>Account Party Type</li> <li>Host Bank BIC</li> <li>Message ID</li> <li>Debit Account Currency</li> <li>Processing Date</li> <li>BIC Intermediary</li> <li>BIC Ultimate</li> <li>ExternalAccount</li> <li>Account Currency</li> <li>Account Name</li> <li>Amount</li> <li>Account Currency</li> </ul>	<ul style="list-style-type: none"> <li>Transaction Reference No</li> <li>Source Code</li> <li>End to End ID</li> <li>Instruction ID</li> <li>MSG STATUS</li> <li>TXN ID</li> </ul>

**Note**

Status, Error Code, and Error Description are required response parameters at every interaction point.

## 5.7 FCI Messages

FCI Messages requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:

**Table 5-7 FCI Messages Integration Touch Points**

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
Message 01	Post Program Authorization	The purpose of the API is to create FCI MSG01 to provide information of a prospective seller to the import factor.	FciMessage1DTO	Setting the xml
Message 09	Post Invoice Assignment	The purpose of the API is to create FCI MSG09 post assignment of invoice.	FciMessage9DTO	Setting the xml
Message 12	Post Indirect Payment	The purpose of the API is to create FCI MSG12 post receiving an indirect payment.	FciMessage12DTO	Setting the xml
Message 14	Post Raising Dispute	The purpose of the API is to create FCI MSG14 post raising a dispute.	FciMessage14DTO	Setting the xml
FCIMSGSEND	Post FCI message creation	The purpose of the API is to send messages to FCI.	FCIMessageSend - /automatic2/send	-
FCIMSGRETRV	Batch jobs which polls and process fci msg	The purpose of the API is to retrieve the FCI message and process them.	FCIMessageRetre - automatic2/retrieve	<ul style="list-style-type: none"> <li>• &lt;MSG09&gt;</li> <li>• &lt;/MSG09&gt;</li> </ul>

## 5.8 Alerts

Alerts requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:

**Table 5-8 Alerts Integration Touch Points**

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
Alert Message	Transaction Alerts as per configuration	The purpose of the API is to integrate with 3rd party alerts system	Transaction DET	-

## 5.9 Service Level Agreement

Service Level Agreement requires the following services for Oracle® Banking Supply Chain Finance integration. Make sure that the following services are available before the implementation:

Table 5-9 Service Level Agreement Integration Touch Points

Integration Touch Point	Stage in OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
Get Business Process Code (OBSCF & OBSCFCM)	SLA Maintenance	The purpose of the API is to get the process codes.	<ul style="list-style-type: none"> <li>Business Product Code</li> <li>Product</li> </ul>	<ul style="list-style-type: none"> <li>Process Code</li> <li>Business Process</li> <li>Task Stage Details</li> <li>Customer Clarification Required</li> </ul>

## 5.10 Finance Dedupe

This topic describes about the finance dedupe.

Finance Dedupe needs these services for integrating Oracle Banking Supply Chain Finance. Please ensure that these services are ready before starting the implementation:

Table 5-10 Finance Dedupe Integration Touch Points

IntegrationTouch Point	Stagein OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
<b>TOKEN</b>	Calls before all dedupe OBRH calls	To get authorization from external party	<ul style="list-style-type: none"> <li>Client ID</li> <li>Client Secret</li> <li>Audience</li> <li>Grant Type</li> </ul>	<ul style="list-style-type: none"> <li>Access token</li> <li>Token type</li> <li>Expires in</li> </ul>
<b>REGISTER</b>	Invoice Creation and Finance Creation Workflow	To register the Invoice with External partner i.e., MonetaGo	<ul style="list-style-type: none"> <li>Transaction Ref No</li> <li>Invoice Ref No</li> <li>Debtor Name</li> <li>Country Of Origin</li> <li>Document Type</li> <li>Invoice Date</li> <li>Supplier Name</li> <li>Buyer Name</li> <li>Invoice Number</li> <li>Currency</li> <li>Total Invoice Amount</li> <li>Submit Financial Institution Id</li> </ul>	Request identification

Table 5-10 (Cont.) Finance Dedupe Integration Touch Points

IntegrationTouch Point	Stagein OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
<b>STATUS</b>	Finance Creation Workflow	To check the Status of Registration and Financing	<ul style="list-style-type: none"> <li>Request Identification</li> <li>Include cancelled</li> <li>Include similarity</li> <li>Include similarity</li> </ul>	<ul style="list-style-type: none"> <li>Registered document identification</li> <li>Request identification</li> <li>Submitting financial institution identification</li> <li>Creation date time</li> <li>Financing validation data set details</li> <li>Financing request status</li> <li>Financing request duplicate report</li> </ul>
<b>FINANCINGS</b>	Finance Creation Workflow	To Mark the Invoices as Financed in the MonetagGo system	<ul style="list-style-type: none"> <li>Invoice Details</li> <li>Instrument Reference No</li> <li>Submit Financial Institution ID</li> </ul>	Request Identification
<b>CANCELLATIONS</b>	Finance Creation (Rejection part)/ Finance Reversal Workflow and Edit Invoice Workflow	To Cancel the Financing and Registration for the Invoices in the MonetaGo System	<ul style="list-style-type: none"> <li>Instrument Reference No</li> <li>Cancellation Reason</li> <li>Submit Financial Institution Id</li> </ul>	Cancellation Identification

Table 5-10 (Cont.) Finance Dedupe Integration Touch Points

IntegrationTouch Point	Stagein OBSCF	Purpose	Mandatory Request Parameters	Mandatory Response Parameters
<b>CANCELLATION STATUS</b>	Finance Creation (Rejection part)/ Finance Reversal Workflow and Edit Invoice Workflow	To check the status of Cancellation	Cancellation Identification	<ul style="list-style-type: none"> <li>• Cancellation Identification</li> <li>• Submitting financial institution identification</li> <li>• Request identification</li> <li>• Pool identification</li> <li>• Batch identification</li> <li>• Data set identification</li> <li>• Submitter data set identification</li> <li>• Cancellation reason</li> <li>• Cancellation status</li> </ul>

# 6

## Outbound API configuration in Oracle Banking Routing Hub

This topic describes about the various outbound APIs configured in Oracle® Banking Routing Hub.

- [Consumer Services - Oracle Banking Corporate Lending](#)  
This topic describes about the consumer services required for Oracle Banking Corporate Lending Implementation.
- [Consumer Services - Oracle Banking Enterprise Limits and Collateral Management](#)  
This topic describes about the consumer services required for Oracle Banking Enterprise Limits and Collateral Management Implementation.
- [Consumer Services - Oracle FLEXCUBE Universal Banking](#)  
This topic describes about the consumer services required for Oracle FLEXCUBE Universal Banking Implementation.
- [Consumer Services - Oracle Banking Cash Management](#)  
This topic describes about the consumer services required for Oracle Banking Cash Management Implementation.
- [Consumer Services - Oracle Banking Virtual Account Management](#)  
This topic describes about the consumer services required for Oracle Banking Virtual Account Management Implementation.
- [Consumer Services - Oracle Banking Payments](#)  
This topic describes about the consumer services required for Oracle Banking Payments Implementation.
- [Consumer Services - FCI Messages](#)  
This topic describes about the consumer services required for FCI Messages Implementation.
- [Consumer Services - Alerts](#)  
This topic describes about the consumer services required for Alerts Implementation.
- [Consumer Services - Service Level Agreement](#)  
This topic describes about the consumer services required for Service Level Agreement Implementation.
- [Consumer Services– Finance Dedupe](#)  
This topic describes about the consumer services required for Finance Dedupe Implementation.

### 6.1 Consumer Services - Oracle Banking Corporate Lending

This topic describes about the consumer services required for Oracle Banking Corporate Lending Implementation.

The below endpoints must be configured under Consumer Services in Oracle Banking Routing Hub:

- CreateContractSim

- CreateContract
- QueryLoanOSAmount
- QueryTrnInfo
- ModifyContAmend
- ReverseContract
- QueryCustinfo
- CreatePayment
- CreatePaymentSim
- ReversePayment
- QueryContract
- ModifyContAmendSim

**Figure 6-1 Consumer Services - Corporate Lending**

Service Consumers		
OBSCF_OBCL		
Service Providers Consumer Services		
<input type="button" value="Add"/> <input type="button" value="Import"/> <input type="text" value="Search"/>		
Actions	Name	Description
⋮	ModifyContAmendSim	Modify Contract Amend Simulation
⋮	QueryContract	OBCL call to query the contract
⋮	ReversePayment	Reverse Payment
⋮	ModifyContAmend	OBCL call to modify the contract
⋮	CreatePaymentSim	Create payment simulation
⋮	QueryTrnInfo	Query the interest accrued for front ended contract
⋮	CreateContractSim	OBCL call to create the contract simulation for fetching outstanding interest
⋮	QueryCustinfo	Query Customer info to fetch contract reference no
⋮	CreatePayment	OBCL call for settlement of the contract
Page 1 of 2 (1 - 10 of 12 items)  < 1 2 >		

### CreateContractSim

This API enables the user to calculate interest and fetch the interest, and overdue interest parameters during transaction processing.

SERVICE-CONSUMER = "OBSCF\_OBCL"

SERVICE-CONSUMER-SERVICE= "CreateContractSim"

#### Request:

```
{
  "serviceConsumerServiceName" : "CreateContractSim",
  "body" : {
```



```
"obclProductCode" : "SUPF",
"holidayTreatment" : "NBD",
"I_MONTHLY" : null,
"financeAmt" : 32,
"interestComponent" : "R",
"buyerId" : "550550",
"P_BULLET" : {
  "COMP" : "P",
  "noOfUnits" : 1,
  "amount" : 32,
  "maturityDate" : "2022-12-09",
  "interestPaymentSchedule" : "B"
},
"I_BULLET" : {
  "COMP" : "I",
  "noOfUnits" : 1,
  "maturityDate" : "2022-12-09",
  "interestPaymentSchedule" : "B"
},
"branchCode" : "004",
"componentDetails" : {
  "InterestTransactionList" : [ {
    "id" : null,
    "financeRefNo" : null,
    "seqNo" : null,
    "interestType" : "R",
    "interestRateType" : "X",
    "interestRate" : 10,
    "spread" : 0,
    "interestRateTotal" : null,
    "interestCollFreq" : null,
    "interestAmtCcy" : null,
    "interestAmount" : null,
    "componetName" : null,
    "interestComp" : "MINTEREST",
    "fixedRateType" : "U",
    "rateCode" : null,
    "resetTenor" : null,
    "rateFixingDays" : 0,
    "rateCodeUsage" : "A",
    "rateRevisionFreq" : null,
    "rateBasis" : "ACTUAL_365",
    "rateCalcType" : null,
    "tierBasedSpread" : "N",
    "tierType" : null,
    "frequency" : "B",
    "noOfUnits" : 1,
    "scheduleType" : "NORMAL",
    "referenceDate" : "VALUE_DATE",
    "monthEnd" : null,
    "spreadApplication" : null,
    "interestCollectionPeriod" : null,
    "holidayTreatment" : "NBD",
    "payRecieveAmount" : null,
    "interestAmtTier" : null,
    "interestTenorTier" : null,
```

```

"interestMixedTier" : null,
"altRiskFreeRate" : null,
"rfrMethod" : null,
"lookBackDays" : null,
"lockOutDays" : null,
"isRateCompounding" : null,
"rfrRoundingUnit" : null,
"spreadOrMarginComputationMethod" : null,
"spreadAdjComputationMethod" : null,
"rateCompoundingMethod" : null,
"pricingDescription" : "PrePostInterestPricing",
"pricingId" : null,
"rateType" : "X",
"rate" : 10,
"filterCriteria" : "DEFAULT",
"filterCriteriaName" : null,
"pricingTemplateCode" : "PC00002350",
"pricingTemplateDesc" : "PrePostInterestPricing",
"isAmended" : null,
"updatedSpreadToBeApplied" : null,
"amendCount" : null
}, {
  "id" : null,
  "financeRefNo" : null,
  "seqNo" : null,
  "interestType" : "R",
  "interestRateType" : "X",
  "interestRate" : 10,
  "spread" : 0,
  "interestRateTotal" : null,
  "interestCollFreq" : null,
  "interestAmtCcy" : null,
  "interestAmount" : null,
  "componetName" : null,
  "interestComp" : "PENINT",
  "fixedRateType" : "U",
  "rateCode" : null,
  "resetTenor" : null,
  "rateFixingDays" : 0,
  "rateCodeUsage" : "A",
  "rateRevisionFreq" : null,
  "rateBasis" : "ACTUAL_365",
  "rateCalcType" : null,
  "tierBasedSpread" : "N",
  "tierType" : null,
  "frequency" : "B",
  "noOfUnits" : 1,
  "scheduleType" : "NORMAL",
  "referenceDate" : "VALUE_DATE",
  "monthEnd" : null,
  "spreadApplication" : null,
  "interestCollectionPeriod" : null,
  "holidayTreatment" : "NBD",
  "payRecieveAmount" : null,
  "interestAmtTier" : null,
  "interestTenorTier" : null,

```

```
"interestMixedTier" : null,
"altRiskFreeRate" : null,
"rfrMethod" : null,
"lookBackDays" : null,
"lockOutDays" : null,
"isRateCompounding" : null,
"rfrRoundingUnit" : null,
"spreadOrMarginComputationMethod" : null,
"spreadAdjComputationMethod" : null,
"rateCompoundingMethod" : null,
"pricingDescription" : "PrePostInterestPricing",
"pricingId" : null,
"rateType" : "X",
"rate" : 10,
"filterCriteria" : "DEFAULT",
"filterCriteriaName" : null,
"pricingTemplateCode" : "PC00002350",
"pricingTemplateDesc" : "PrePostInterestPricing",
"isAmended" : null,
"updatedSpreadToBeApplied" : null,
"amendCount" : null
}, {
  "id" : null,
  "financeRefNo" : null,
  "seqNo" : null,
  "interestType" : "R",
  "interestRateType" : "X",
  "interestRate" : 10,
  "spread" : 0,
  "interestRateTotal" : null,
  "interestCollFreq" : null,
  "interestAmtCcy" : null,
  "interestAmount" : null,
  "componetName" : null,
  "interestComp" : "PRINPENAL",
  "fixedRateType" : "U",
  "rateCode" : null,
  "resetTenor" : null,
  "rateFixingDays" : 0,
  "rateCodeUsage" : "A",
  "rateRevisionFreq" : null,
  "rateBasis" : "ACTUAL_365",
  "rateCalcType" : null,
  "tierBasedSpread" : "N",
  "tierType" : null,
  "frequency" : "B",
  "noOfUnits" : 1,
  "scheduleType" : "NORMAL",
  "referenceDate" : "VALUE_DATE",
  "monthEnd" : null,
  "spreadApplication" : null,
  "interestCollectionPeriod" : null,
  "holidayTreatment" : "NBD",
  "payRecieveAmount" : null,
  "interestAmtTier" : null,
  "interestTenorTier" : null,
```

```

        "interestMixedTier" : null,
        "altRiskFreeRate" : null,
        "rfrMethod" : null,
        "lookBackDays" : null,
        "lockOutDays" : null,
        "isRateCompounding" : null,
        "rfrRoundingUnit" : null,
        "spreadOrMarginComputationMethod" : null,
        "spreadAdjComputationMethod" : null,
        "rateCompoundingMethod" : null,
        "pricingDescription" : "PrePostInterestPricing",
        "pricingId" : null,
        "rateType" : "X",
        "rate" : 10,
        "filterCriteria" : "DEFAULT",
        "filterCriteriaName" : null,
        "pricingTemplateCode" : "PC00002350",
        "pricingTemplateDesc" : "PrePostInterestPricing",
        "isAmended" : null,
        "updatedSpreadToBeApplied" : null,
        "amendCount" : null
    } ]
},
"financeRefNo" : "004091122PP16912",
"productCode" : "PPIN",
"scheduleType" : "NORMAL",
"maturityDate" : "2022-12-09",
"interestPaymentSchedule" : "B",
"financeAmtCcy" : "USD",
"referenceDate" : "VALUE_DATE",
"startDate" : "2022-11-09",
"holidayTreatmentForSchedules" : "NBD"
},
"serviceConsumerName" : "OBSCF_OBCL"
}

```

**Response:**

```

{"data": {
    "interestModelList": [
        {
            "spread": "0",
            "interestComp": "Y",
            "interestAmtCcy": "USD",
            "interestRate": "6.45",
            "interestRateType": "X",
            "componetName": "MINTEREST"
        },
        {
            "spread": "0",
            "interestComp": "N",
            "interestAmtCcy": "USD",
            "interestRate": "6.45",
            "interestRateType": "X",
            "componetName": "PENINT"
        }
    ]
}

```

```

    },
    {
      "spread": "0",
      "interestComp": "N",
      "interestAmtCcy": "USD",
      "interestRate": "6.45",
      "interestRateType": "X",
      "componetName": "PRINPENAL"
    }
  ],
  "loandDetail": {
    "payMethod": "BEARING"
  },
  "cashFlowDetails": [
    {
      "dueDate": "2022-10-31",
      "totalAmountDue": "38.17",
      "totalAmountPaid": "0",
      "totalAmountAdjusted": "0",
      "currency": "USD",
      "amountDue": [
        {
          "component": "MINTEREST",
          "amountDue": "38.17",
          "amountPaid": "0",
          "adjustedAmount": "0",
          "currency": "USD",
          "contractIccfView": [
            {
              "rateSofr": "6.45",
              "contractRefNo": "004SUPF22277BE34",
              "dailyAccSofr": "38.17",
              "component": "MINTEREST",
              "pAcuInterestSofr": "8000",
              "currency": "USD",
              "spreadAdjustmentSofr": "0",
              "scheduleDate": "2022-10-31",
              "marginSofr": "0",
              "calculationDateSofr": "2022-10-04",
              "interestAmountSofr": "0",
              "totalSimpleIntSofr": "38.17",
              "rateType": "Fixed",
              "finalRate": "6.45",
              "noOfDaysSofr": "27",
              "rateUi": ""
            }
          ]
        }
      ]
    }
  ],
  {
    "dueDate": "2022-11-04",
    "totalAmountDue": "8005.65",
    "totalAmountPaid": "0",
    "totalAmountAdjusted": "0",
    "currency": "USD",
  }

```

```

"amountDue": [
  {
    "component": "MINTEREST",
    "amountDue": "5.65",
    "amountPaid": "0",
    "adjustedAmount": "0",
    "currency": "USD",
    "contractIccfView": [
      {
        "rateSofr": "6.45",
        "contractRefNo": "004SUPF22277BE34",
        "dailyAccSofr": "5.65",
        "component": "MINTEREST",
        "pAcuInterestSofr": "8000",
        "currency": "USD",
        "spreadAdjustmentSofr": "0",
        "scheduleDate": "2022-11-04",
        "marginSofr": "0",
        "calculationDateSofr": "2022-10-31",
        "interestAmountSofr": "0",
        "totalSimpleIntSofr": "5.65",
        "rateType": "Fixed",
        "finalRate": "6.45",
        "noOfDaysSofr": "4",
        "rateUi": ""
      }
    ]
  },
  {
    "component": "PRINCIPAL",
    "amountDue": "8000",
    "amountPaid": "0",
    "adjustedAmount": "0",
    "currency": "USD",
    "contractIccfView": []
  }
],
"errorCode": [],
"scheduleDetails": [
  {
    "unit": "1",
    "frequency": "D",
    "noOfSchedules": "1",
    "startDate": "2022-10-04",
    "scheduleType": "L",
    "componentName": "PRINCIPAL",
    "componentCurrency": "",
    "amount": "8000",
    "resetTenor": ""
  },
  {
    "unit": "1",
    "frequency": "M",
    "noOfSchedules": "1",

```

```

        "startDate": "2022-10-31",
        "scheduleType": "P",
        "componentName": "MINTEREST",
        "componentCurrency": "",
        "amount": "",
        "resetTenor": ""
      },
      {
        "unit": "1",
        "frequency": "B",
        "noOfSchedules": "1",
        "startDate": "2022-11-04",
        "scheduleType": "P",
        "componentName": "MINTEREST",
        "componentCurrency": "",
        "amount": "",
        "resetTenor": ""
      },
      {
        "unit": "1",
        "frequency": "B",
        "noOfSchedules": "1",
        "startDate": "2022-11-04",
        "scheduleType": "P",
        "componentName": "PRINCIPAL",
        "componentCurrency": "",
        "amount": "8000",
        "resetTenor": ""
      }
    ],
    "status": "SUCCESS"
  }

```

### CreateContract

This API enables the user to create a loan in Loan Processor.

SERVICE-CONSUMER = "OBSCF\_OBCL"

SERVICE-CONSUMER-SERVICE= "CreateContract"

### Request

```

{
  "serviceConsumerServiceName" : "CreateContract",
  "body" : {
    "obclProductCode" : "SUPF",
    "holidayTreatment" : "NBD",
    "I_MONTHLY" : null,
    "graceDays" : 0,
    "financeAmt" : 32,
    "interestComponent" : "R",
    "buyerId" : "550550",
    "P_BULLET" : {
      "COMP" : "P",
      "noOfUnits" : 1,
      "amount" : 32,

```

```

    "maturityDate" : "2022-12-09",
    "interestPaymentSchedule" : "B"
  },
  "I_BULLET" : {
    "COMP" : "I",
    "noOfUnits" : 1,
    "maturityDate" : "2022-12-09",
    "interestPaymentSchedule" : "B"
  },
  "branchCode" : "004",
  "componentDetails" : {
    "InterestTransactionList" : [ {
      "id" : "1252874640277385217",
      "financeRefNo" : "004091122PP16912",
      "seqNo" : 1,
      "interestType" : "R",
      "interestRateType" : "X",
      "interestRate" : 10,
      "spread" : 0,
      "interestRateTotal" : 10,
      "interestCollFreq" : "B",
      "interestAmtCcy" : "USD",
      "interestAmount" : 0.26,
      "componetName" : null,
      "interestComp" : "MINTEREST",
      "fixedRateType" : "U",
      "rateCode" : null,
      "resetTenor" : null,
      "rateFixingDays" : 0,
      "rateCodeUsage" : "A",
      "rateRevisionFreq" : null,
      "rateBasis" : "ACTUAL_365",
      "rateCalcType" : null,
      "tierBasedSpread" : "N",
      "tierType" : null,
      "frequency" : "B",
      "noOfUnits" : 1,
      "scheduleType" : "NORMAL",
      "referenceDate" : "VALUE_DATE",
      "monthEnd" : null,
      "spreadApplication" : null,
      "interestCollectionPeriod" : null,
      "holidayTreatment" : "NBD",
      "payRecieveAmount" : null,
      "interestAmtTier" : [ ],
      "interestTenorTier" : [ ],
      "interestMixedTier" : [ ],
      "altRiskFreeRate" : null,
      "rfrMethod" : null,
      "lookBackDays" : null,
      "lockOutDays" : null,
      "isRateCompounding" : null,
      "rfrRoundingUnit" : null,
      "spreadOrMarginComputationMethod" : null,
      "spreadAdjComputationMethod" : null,
      "rateCompoundingMethod" : null,
    } ]
  }
}

```



```

    "pricingDescription" : null,
    "pricingId" : null,
    "rateType" : null,
    "rate" : null,
    "filterCriteria" : "DEFAULT",
    "filterCriteriaName" : null,
    "pricingTemplateCode" : "PC00002350",
    "pricingTemplateDesc" : "PrePostInterestPricing",
    "isAmended" : null,
    "updatedSpreadToBeApplied" : null,
    "amendCount" : 0
  }, {
    "id" : "1252874640277385218",
    "financeRefNo" : "004091122PP16912",
    "seqNo" : 1,
    "interestType" : "R",
    "interestRateType" : "X",
    "interestRate" : 10,
    "spread" : 0,
    "interestRateTotal" : 10,
    "interestCollFreq" : "B",
    "interestAmtCcy" : "USD",
    "interestAmount" : 0,
    "componetName" : null,
    "interestComp" : "PRINPENAL",
    "fixedRateType" : "U",
    "rateCode" : null,
    "resetTenor" : null,
    "rateFixingDays" : 0,
    "rateCodeUsage" : "A",
    "rateRevisionFreq" : null,
    "rateBasis" : "ACTUAL_365",
    "rateCalcType" : null,
    "tierBasedSpread" : "N",
    "tierType" : null,
    "frequency" : "B",
    "noOfUnits" : 1,
    "scheduleType" : "NORMAL",
    "referenceDate" : "VALUE_DATE",
    "monthEnd" : null,
    "spreadApplication" : null,
    "interestCollectionPeriod" : null,
    "holidayTreatment" : null,
    "payRecieveAmount" : null,
    "interestAmtTier" : [ ],
    "interestTenorTier" : [ ],
    "interestMixedTier" : [ ],
    "altRiskFreeRate" : null,
    "rfrMethod" : null,
    "lookBackDays" : null,
    "lockOutDays" : null,
    "isRateCompounding" : null,
    "rfrRoundingUnit" : null,
    "spreadOrMarginComputationMethod" : null,
    "spreadAdjComputationMethod" : null,
    "rateCompoundingMethod" : null,

```

```
"pricingDescription" : null,
"pricingId" : null,
"rateType" : null,
"rate" : null,
"filterCriteria" : "DEFAULT",
"filterCriteriaName" : null,
"pricingTemplateCode" : "PC00002350",
"pricingTemplateDesc" : "PrePostInterestPricing",
"isAmended" : null,
"updatedSpreadToBeApplied" : null,
"amendCount" : 0
}, {
  "id" : "1252874640277385216",
  "financeRefNo" : "004091122PP16912",
  "seqNo" : 1,
  "interestType" : "R",
  "interestRateType" : "X",
  "interestRate" : 10,
  "spread" : 0,
  "interestRateTotal" : 10,
  "interestCollFreq" : "B",
  "interestAmtCcy" : "USD",
  "interestAmount" : 0,
  "componetName" : null,
  "interestComp" : "PENINT",
  "fixedRateType" : "U",
  "rateCode" : null,
  "resetTenor" : null,
  "rateFixingDays" : 0,
  "rateCodeUsage" : "A",
  "rateRevisionFreq" : null,
  "rateBasis" : "ACTUAL_365",
  "rateCalcType" : null,
  "tierBasedSpread" : "N",
  "tierType" : null,
  "frequency" : "B",
  "noOfUnits" : 1,
  "scheduleType" : "NORMAL",
  "referenceDate" : "VALUE_DATE",
  "monthEnd" : null,
  "spreadApplication" : null,
  "interestCollectionPeriod" : null,
  "holidayTreatment" : null,
  "payRecieveAmount" : null,
  "interestAmtTier" : [ ],
  "interestTenorTier" : [ ],
  "interestMixedTier" : [ ],
  "altRiskFreeRate" : null,
  "rfrMethod" : null,
  "lookBackDays" : null,
  "lockOutDays" : null,
  "isRateCompounding" : null,
  "rfrRoundingUnit" : null,
  "spreadOrMarginComputationMethod" : null,
  "spreadAdjComputationMethod" : null,
  "rateCompoundingMethod" : null,
```

```

        "pricingDescription" : null,
        "pricingId" : null,
        "rateType" : null,
        "rate" : null,
        "filterCriteria" : "DEFAULT",
        "filterCriteriaName" : null,
        "pricingTemplateCode" : "PC00002350",
        "pricingTemplateDesc" : "PrePostInterestPricing",
        "isAmended" : null,
        "updatedSpreadToBeApplied" : null,
        "amendCount" : 0
    } ]
},
"financeRefNo" : "004091122PP16912",
"productCode" : "PPIN",
"scheduleType" : "NORMAL",
"maturityDate" : "2022-12-09",
"financeAmtCcy" : "USD",
"interestPaymentSchedule" : "B",
"referenceDate" : "VALUE_DATE",
"startDate" : "2022-11-09",
"holidayTreatmentForSchedules" : "NBD"
},
"serviceConsumerName" : "OBSCF_OBCL"
}

```

**Response:**

```

{"data": {
    "amountDueDetail": [
        {
            "totalAmountDues": "38.17",
            "amountDue": [
                {
                    "component": "MINTEREST",
                    "amountDue": "38.17",
                    "amountPaid": "0",
                    "adjustedAmount": "0",
                    "currency": "USD",
                    "contractIccfView": [
                        {
                            "rateSofr": "6.45",
                            "contractRefNo": "004SUPF22277BE35",
                            "dailyAccSofr": "38.17",
                            "component": "MINTEREST",
                            "pAcuInterestSofr": "8000",
                            "currency": "USD",
                            "spreadAdjustmentSofr": "0",
                            "scheduleDate": "2022-10-31",
                            "marginSofr": "0",
                            "calculationDateSofr": "2022-10-04",
                            "interestAmountSofr": "0",
                            "totalSimpleIntSofr": "38.17",
                            "rateType": "Fixed",
                            "finalRate": "6.45",

```

```

        "noOfDaysSofr": "27",
        "rateUi": "6.45"
    }
}
]
}
],
{
    "totalAmountDues": "8005.65",
    "amountDue": [
        {
            "component": "MINTEREST",
            "amountDue": "5.65",
            "amountPaid": "0",
            "adjustedAmount": "0",
            "currency": "USD",
            "contractIccfView": [
                {
                    "rateSofr": "6.45",
                    "contractRefNo": "004SUPF22277BE35",
                    "dailyAccSofr": "5.65",
                    "component": "MINTEREST",
                    "pAcuInterestSofr": "8000",
                    "currency": "USD",
                    "spreadAdjustmentSofr": "0",
                    "scheduleDate": "2022-11-04",
                    "marginSofr": "0",
                    "calculationDateSofr": "2022-10-31",
                    "interestAmountSofr": "0",
                    "totalSimpleIntSofr": "5.65",
                    "rateType": "Fixed",
                    "finalRate": "6.45",
                    "noOfDaysSofr": "4",
                    "rateUi": "6.45"
                }
            ]
        },
        {
            "component": "PRINCIPAL",
            "amountDue": "8000",
            "amountPaid": "0",
            "adjustedAmount": "0",
            "currency": "USD",
            "contractIccfView": []
        }
    ]
},
{
    "warningCode": [
        {
            "warningCode": "IN-00255",
            "warningDesc": "Spread/Margin type is not Slab/Tier,
cannot maintain Spread/Margin"
        },
        {
            "warningCode": "OL-AU010",

```

```

        "warningDesc": "Ok to Authorize"
      },
      {
        "warningCode": "ST-SAVE-052",
        "warningDesc": "Successfully Saved and Authorized"
      }
    ],
    "loanDetails": {
      "branch": "004",
      "loanReferenceNumber": "004SUPF22277BE35"
    },
    "errorCode": [
      "errorCode": "",
      "errorDesc": ""
    ],
    "cashFlowContract": [
      {
        "dueDate": "2022-10-31",
        "totalAmountDue": "38.17",
        "totalAmountPaid": "0",
        "totalAmountAdjusted": "0",
        "currency": "USD"
      },
      {
        "dueDate": "2022-11-04",
        "totalAmountDue": "8005.65",
        "totalAmountPaid": "0",
        "totalAmountAdjusted": "0",
        "currency": "USD"
      }
    ],
    "status": "SUCCESS"
  }
}

```

### QueryLoanOSAmount

This API enables the user to fetch the outstanding loan amount.

SERVICE-CONSUMER = "OBSCF\_OBCL"

SERVICE-CONSUMER-SERVICE= "QueryLoanOSAmount"

#### Request:

```

{ "serviceConsumerServiceName": "QueryLoanOSAmount",
  "body": {
    "branchCode": "004",
    "processingDate": "2022-10-04",
    "financeAmtCcy": "USD",
    "clRefNo": "004SUPF22277AR63"
  },
  "serviceConsumerName": "OBSCF_OBCL"
}

```

**Response:**

```
{
  "headers": {},
  "data": {
    "outStandingSummary": {
      "totalOSAmount": "7350",
      "clRefNo": "004SUPF22277AR63"
    },
    "delinquencyStatus": "NORM",
    "warningCode": [
      {
        "warningCode": "ST-SAVE-023",
        "warningDesc": "Record Successfully Retrieved"
      }
    ],
    "errorCode": [
      {
        "errorCode": "",
        "errorDesc": ""
      }
    ],
    "paymentBreakup": [
      {
        "amtDue": "7350",
        "component": "PRINCIPAL"
      }
    ],
    "status": "SUCCESS"
  }
}
```

**QueryTrnInfo**

This API enables the user to query the interest accrued for front ended loan.

SERVICE-CONSUMER = "OBSCF\_OBCL"

SERVICE-CONSUMER-SERVICE= "QueryTrnInfo"

**Request:**

```
{
  "serviceConsumerServiceName": "QueryTrnInfo",
  "body": {
    "branchCode": "004",
    "refNo": "004DES5222770575",
    "isLoggingRequired": false,
    "trnFromDt": "2022-10-04",
    "trnToDt": "2022-10-04"
  },
  "serviceConsumerName": "OBSCF_OBCL"
}
```

**Response:**

```
{
  "data": {
    "warningCode": [
```

```

        {
            "warningCode": "ST-SAVE-073",
            "warningDesc": "Successfully Retrieved"
        }
    ],
    "errorCode": [
        "errorCode": "",
        "errorDesc": ""],
    "trnInfoDTO": {
        "delinquencyStatus": "NORM",
        "minTxnAmt": "14.03",
        "maxTxnAmt": "800",
        "refNo": "004DES5222770575",
        "delinqStatusDesc": "Normal Status",
        "isWorstStatus": "N",
        "trnFromDt": "2022-10-04",
        "trnToDt": "2022-10-04",
        "eventDetail": [
            {
                "eventNo": "5",
                "eventCd": "LIQD",
                "eventDesc": "Liquidation For Cls/Cheques",
                "makerId": "ADMINUSER2",
                "eventDt": "2022-10-04",
                "reversedEsn": "0",
                "trnAmountDetail": [
                    {
                        "acBrn": "004",
                        "accNo": "100000101",
                        "acCcy": "USD",
                        "bnkLcy": "USD",
                        "drCrInd": "C",
                        "trnCd": "000",
                        "amtTag": "PRINCIPAL_LIQD",
                        "fcyAmt": "0",
                        "trnDt": "2022-10-04",
                        "valDt": "2022-10-04",
                        "acSrNo": "1731853",
                        "lcyAmt": "100",
                        "eventCd": "LIQD",
                        "relatedCustomer": "202299",
                        "relatedReference": "LIQD",
                        "accType": "G"
                    },
                    {
                        "acBrn": "004",
                        "accNo": "100000006",
                        "acCcy": "USD",
                        "bnkLcy": "USD",
                        "drCrInd": "D",
                        "trnCd": "000",
                        "amtTag": "PRINCIPAL_LIQD",
                        "fcyAmt": "0",
                        "trnDt": "2022-10-04",
                        "valDt": "2022-10-04",
                        "acSrNo": "1731854",

```

```

        "lcyAmt": "100",
        "eventCd": "LIQD",
        "relatedCustomer": "202299",
        "relatedReference": "LIQD",
        "accType": "G"
    }
]
},
{
    "eventNo": "4",
    "eventCd": "LIQD",
    "eventDesc": "Liquidation For Cls/Cheques",
    "makerId": "ADMINUSER2",
    "eventDt": "2022-10-04",
    "reversedEsn": "0",
    "trnAmountDetail": [
        {
            "acBrn": "004",
            "accNo": "100000101",
            "acCcy": "USD",
            "bnkLcy": "USD",
            "drCrInd": "C",
            "trnCd": "000",
            "amtTag": "PRINCIPAL_LIQD",
            "fcyAmt": "0",
            "trnDt": "2022-10-04",
            "valDt": "2022-10-04",
            "acSrNo": "1731847",
            "lcyAmt": "100",
            "eventCd": "LIQD",
            "relatedCustomer": "202299",
            "relatedReference": "LIQD",
            "accType": "G"
        },
        {
            "acBrn": "004",
            "accNo": "100000006",
            "acCcy": "USD",
            "bnkLcy": "USD",
            "drCrInd": "D",
            "trnCd": "000",
            "amtTag": "PRINCIPAL_LIQD",
            "fcyAmt": "0",
            "trnDt": "2022-10-04",
            "valDt": "2022-10-04",
            "acSrNo": "1731848",
            "lcyAmt": "100",
            "eventCd": "LIQD",
            "relatedCustomer": "202299",
            "relatedReference": "LIQD",
            "accType": "G"
        }
    ]
},
{
    "eventNo": "3",

```



```

"eventCd": "DSBR",
"eventDesc": "Disbursement",
"makerId": "ADMINUSER2",
"eventDt": "2022-10-04",
"reversedEsn": "0",
"trnAmountDetail": [
  {
    "acBrn": "004",
    "accNo": "100000005",
    "acCcy": "USD",
    "bnkLcy": "USD",
    "drCrInd": "C",
    "trnCd": "001",
    "amtTag": "PRINCIPAL",
    "fcyAmt": "0",
    "trnDt": "2022-10-04",
    "valDt": "2022-10-04",
    "acSrNo": "1731839",
    "lcyAmt": "800",
    "eventCd": "DSBR",
    "relatedCustomer": "202299",
    "relatedReference": "DSBR",
    "accType": "G"
  },
  {
    "acBrn": "004",
    "accNo": "100000201",
    "acCcy": "USD",
    "bnkLcy": "USD",
    "drCrInd": "C",
    "trnCd": "001",
    "amtTag": "MINTEREST_LIQD",
    "fcyAmt": "0",
    "trnDt": "2022-10-04",
    "valDt": "2022-10-04",
    "acSrNo": "1731840",
    "lcyAmt": "14.03",
    "eventCd": "DSBR",
    "relatedCustomer": "202299",
    "relatedReference": "DSBR",
    "accType": "G"
  },
  {
    "acBrn": "004",
    "accNo": "100000101",
    "acCcy": "USD",
    "bnkLcy": "USD",
    "drCrInd": "D",
    "trnCd": "001",
    "amtTag": "PRINCIPAL",
    "fcyAmt": "0",
    "trnDt": "2022-10-04",
    "valDt": "2022-10-04",
    "acSrNo": "1731841",
    "lcyAmt": "800",
    "eventCd": "DSBR",

```

```

        "relatedCustomer": "202299",
        "relatedReference": "DSBR",
        "accType": "G"
    },
    {
        "acBrn": "004",
        "accNo": "1000000006",
        "acCcy": "USD",
        "bnkLcy": "USD",
        "drCrInd": "D",
        "trnCd": "001",
        "amtTag": "MINTEREST_LIQD",
        "fcyAmt": "0",
        "trnDt": "2022-10-04",
        "valDt": "2022-10-04",
        "acSrNo": "1731842",
        "lcyAmt": "14.03",
        "eventCd": "DSBR",
        "relatedCustomer": "202299",
        "relatedReference": "DSBR",
        "accType": "G"
    }
]
},
{
    "eventNo": "2",
    "eventCd": "INIT",
    "eventDesc": "Contract Initiation",
    "makerId": "ADMINUSER2",
    "eventDt": "2022-10-04",
    "reversedEsn": "0",
    "trnAmountDetail": []
},
{
    "eventNo": "1",
    "eventCd": "BOOK",
    "eventDesc": "Booking Of Contract",
    "makerId": "ADMINUSER2",
    "eventDt": "2022-10-04",
    "reversedEsn": "0",
    "trnAmountDetail": []
}
],
},
"status": "SUCCESS"
}

```

### ModifyContAmend

This API enables the user to reopen structure address.

SERVICE-CONSUMER = "OBSCF\_OBCL"

SERVICE-CONSUMER-SERVICE= "ModifyContAmend"

**Request:**

```

{ "serviceConsumerServiceName": "ModifyContAmend",
  "body": {
    "branchCode": "004",
    "componentDetails": [
      {
        "rateCalculationType": "",
        "tierType": "T",
        "resetTenor": "",
        "tierBasedSpread": "Y",
        "minRat": 1,
        "fixedRateType": "U",
        "rateCode": null,
        "rateCodeUsage": "A",
        "pricingId": "",
        "frequency": "B",
        "COMP": "MINTEREST",
        "retainmainCompProp": "",
        "rateType": "X",
        "noOfUnits": 1,
        "rate": 7,
        "pricingDescription": "",
        "rateFixingReqd": "N",
        "mainComp": "Y",
        "interestRate": 7,
        "rateFixingDays": 0,
        "spread": 4,
        "maxRat": 20,
        "floatingRateCode": "",
        "interestAmtCcy": "USD",
        "rateRevisionFrequency": null,
        "rateBasis": 3,
        "fixedRateCode": "",
        "penaltyTenor": ""
      },
      {
        "rateCalculationType": "",
        "tierType": "T",
        "resetTenor": "",
        "tierBasedSpread": "Y",
        "minRat": 1,
        "fixedRateType": "U",
        "rateCode": null,
        "rateCodeUsage": "A",
        "pricingId": "",
        "frequency": "B",
        "COMP": "PRINPENAL",
        "retainmainCompProp": "",
        "rateType": "X",
        "noOfUnits": 1,
        "rate": 7,
        "pricingDescription": "",
        "rateFixingReqd": "N",
        "mainComp": "N",
        "interestRate": 7,

```

```

        "rateFixingDays": 0,
        "spread": 7,
        "maxRat": 20,
        "floatingRateCode": "",
        "interestAmtCcy": "USD",
        "rateRevisionFrequency": null,
        "rateBasis": 3,
        "fixedRateCode": "",
        "penaltyTenor": ""
    }
},
"PRINPENAL": {
    "rateCalculationType": "",
    "tierType": "T",
    "resetTenor": "",
    "tierBasedSpread": "Y",
    "minRat": 1,
    "fixedRateType": "U",
    "rateCode": null,
    "rateCodeUsage": "A",
    "pricingId": "",
    "frequency": "B",
    "COMP": "PRINPENAL",
    "retainmainCompProp": "",
    "rateType": "X",
    "noOfUnits": 1,
    "rate": 7,
    "pricingDescription": "",
    "rateFixingReqd": "N",
    "mainComp": "N",
    "interestRate": 7,
    "rateFixingDays": 0,
    "spread": 7,
    "maxRat": 20,
    "floatingRateCode": "",
    "interestAmtCcy": "USD",
    "rateRevisionFrequency": null,
    "rateBasis": 3,
    "fixedRateCode": "",
    "penaltyTenor": ""
},
"processingDate": "2022-10-04",
"financeAmtCcy": "USD",
"clRefNo": "004SUPF221878299",
"MINTRateType": "X",
"MINTEREST": {
    "rateCalculationType": "",
    "tierType": "T",
    "resetTenor": "",
    "tierBasedSpread": "Y",
    "minRat": 1,
    "fixedRateType": "U",
    "rateCode": null,
    "rateCodeUsage": "A",
    "pricingId": "",
    "frequency": "B",

```

```

        "COMP": "MINTEREST",
        "retainmainCompProp": "",
        "rateType": "X",
        "noOfUnits": 1,
        "rate": 7,
        "pricingDescription": "",
        "rateFixingReqd": "N",
        "mainComp": "Y",
        "interestRate": 7,
        "rateFixingDays": 0,
        "spread": 4,
        "maxRat": 20,
        "floatingRateCode": "",
        "interestAmtCcy": "USD",
        "rateRevisionFrequency": null,
        "rateBasis": 3,
        "fixedRateCode": "",
        "penaltyTenor": ""
    },
    },
    "serviceConsumerName": "OBSCF_OBCL"
}

```

**Response:**

```

{ "data": {
    "loanDetails": {
        "loanReferenceNumber": "004SUPF221878299",
        "branch": "004"
    },
    "cashFlowDetails": [
        {
            "dueDate": "2022-07-31",
            "totalAmountDue": "1630.9",
            "totalAmountPaid": "0",
            "totalAmountAdjusted": "0",
            "currency": "",
            "amountDue": [
                {
                    "component": "MINTEREST",
                    "amountDue": "1630.9",
                    "amountPaid": "1630.9",
                    "adjustedAmount": "1630.9",
                    "currency": ""
                }
            ]
        },
        {
            "dueDate": "2022-08-31",
            "totalAmountDue": "1795.4",
            "totalAmountPaid": "0",
            "totalAmountAdjusted": "0",
            "currency": "",
            "amountDue": [
                {

```

```

        "component": "MINTEREST",
        "amountDue": "1795.4",
        "amountPaid": "1795.4",
        "adjustedAmount": "1795.4",
        "currency": ""
    }
]
},
{
    "dueDate": "2022-09-30",
    "totalAmountDue": "1569.8",
    "totalAmountPaid": "0",
    "totalAmountAdjusted": "0",
    "currency": "",
    "amountDue": [
        {
            "component": "MINTEREST",
            "amountDue": "1569.8",
            "amountPaid": "1569.8",
            "adjustedAmount": "1569.8",
            "currency": ""
        }
    ]
},
{
    "dueDate": "2022-10-31",
    "totalAmountDue": "1602.7",
    "totalAmountPaid": "0",
    "totalAmountAdjusted": "0",
    "currency": "",
    "amountDue": [
        {
            "component": "MINTEREST",
            "amountDue": "1602.7",
            "amountPaid": "1602.7",
            "adjustedAmount": "1602.7",
            "currency": ""
        }
    ]
},
{
    "dueDate": "2022-11-30",
    "totalAmountDue": "1551",
    "totalAmountPaid": "0",
    "totalAmountAdjusted": "0",
    "currency": "",
    "amountDue": [
        {
            "component": "MINTEREST",
            "amountDue": "1551",
            "amountPaid": "1551",
            "adjustedAmount": "1551",
            "currency": ""
        }
    ]
},
],
},

```

```

{
  "dueDate": "2022-12-31",
  "totalAmountDue": "1602.7",
  "totalAmountPaid": "0",
  "totalAmountAdjusted": "0",
  "currency": "",
  "amountDue": [
    {
      "component": "MINTEREST",
      "amountDue": "1602.7",
      "amountPaid": "1602.7",
      "adjustedAmount": "1602.7",
      "currency": ""
    }
  ]
},
{
  "dueDate": "2023-01-31",
  "totalAmountDue": "1602.7",
  "totalAmountPaid": "0",
  "totalAmountAdjusted": "0",
  "currency": "",
  "amountDue": [
    {
      "component": "MINTEREST",
      "amountDue": "1602.7",
      "amountPaid": "1602.7",
      "adjustedAmount": "1602.7",
      "currency": ""
    }
  ]
},
{
  "dueDate": "2023-02-28",
  "totalAmountDue": "1447.6",
  "totalAmountPaid": "0",
  "totalAmountAdjusted": "0",
  "currency": "",
  "amountDue": [
    {
      "component": "MINTEREST",
      "amountDue": "1447.6",
      "amountPaid": "1447.6",
      "adjustedAmount": "1447.6",
      "currency": ""
    }
  ]
},
{
  "dueDate": "2023-03-31",
  "totalAmountDue": "1602.7",
  "totalAmountPaid": "0",
  "totalAmountAdjusted": "0",
  "currency": "",
  "amountDue": [
    {

```

```

        "component": "MINTEREST",
        "amountDue": "1602.7",
        "amountPaid": "1602.7",
        "adjustedAmount": "1602.7",
        "currency": ""
    }
]
},
{
    "dueDate": "2023-04-30",
    "totalAmountDue": "1551",
    "totalAmountPaid": "0",
    "totalAmountAdjusted": "0",
    "currency": "",
    "amountDue": [
        {
            "component": "MINTEREST",
            "amountDue": "1551",
            "amountPaid": "1551",
            "adjustedAmount": "1551",
            "currency": ""
        }
    ]
},
{
    "dueDate": "2023-05-31",
    "totalAmountDue": "1602.7",
    "totalAmountPaid": "0",
    "totalAmountAdjusted": "0",
    "currency": "",
    "amountDue": [
        {
            "component": "MINTEREST",
            "amountDue": "1602.7",
            "amountPaid": "1602.7",
            "adjustedAmount": "1602.7",
            "currency": ""
        }
    ]
},
{
    "dueDate": "2023-06-20",
    "totalAmountDue": "170234",
    "totalAmountPaid": "0",
    "totalAmountAdjusted": "0",
    "currency": "",
    "amountDue": []
}
],
"errorCode": [
    "errorCode": "",
    "errorDesc": ""],
"status": "SUCCESS"
}

```



**ReverseContract**

This API enables the user to reverse the contract.

SERVICE-CONSUMER = "OBSCF\_OBCL"

SERVICE-CONSUMER-SERVICE= "ReverseContract"

**Request:**

```
{ "serviceConsumerServiceName": "ReverseContract",
  "body": {
    "branchCode": "004",
    "contractRefNo": "004SUPF222590174"
  },
  "serviceConsumerName": "OBSCF_OBCL"
}
```

**Response:**

```
{
  "data": {
    "warningCode": [
      {
        "warningCode": "OL-AU010",
        "warningDesc": "Ok to Authorize"
      },
      {
        "warningCode": "OL-C0070",
        "warningDesc": "Do you want to reverse contract
004SUPF222590174 ?"
      },
      {
        "warningCode": "ST-SAVE-076",
        "warningDesc": "Successfully Reversed And Authorized"
      }
    ],
    "errorCode": [
      "errorCode": "",
      "errorDesc": ""
    ],
    "status": "SUCCESS"
  }
}
```

**QueryCustinfo**

This API enables the user to query the customer information to fetch the contract reference number.

SERVICE-CONSUMER = "OBSCF\_OBCL"

SERVICE-CONSUMER-SERVICE= "QueryCustinfo"

**Request:**

```
{ "serviceConsumerServiceName": "QueryCustinfo",
  "body": {
```

```

        "branchCode": "004",
        "financeRefNo": "004041022VE03568",
        "buyerId": "001977"
    },
    "serviceConsumerName": "OBSCF_OBCL"
}

```

**Response:**

```

{"body": {
  "data": {
    "warningCode": [
      {
        "warningCode": "ST-SAVE-073",
        "warningDesc": "Successfully Retrieved"
      }
    ],
    "userRefNoDetail": {
      "branch": "004",
      "loanReferenceNumber": "004SUPF222550022"
    },
    "errorCode": [
      "errorCode": "",
      "errorDesc": ""
    ],
    "status": "SUCCESS"
  }
}

```

**CreatePayment**

This API enables the user to partly/fully settle the loan in Loan Processor.

SERVICE-CONSUMER = "OBSCF\_OBCL"

SERVICE-CONSUMER-SERVICE= "CreatePayment"

**Request:**

```

{ "serviceConsumerServiceName": "CreatePayment",
  "body": {
    "penIntOnIntPayable": "",
    "penIntComp": "",
    "clRefNo": "004SUPF22277AR63",
    "loanInterestPayable": "",
    "branchCode": "004",
    "penIntPayable": "",
    "principalComp": "PRINCIPAL",
    "penIntOnIntComp": "",
    "limitDate": "2022-11-04",
    "totalSettlementAmount": 100,
    "refundReqd": "N",
    "loanPrincipalPayable": 100,
    "interestComp": "",
    "effectiveDate": "2022-10-04"
  },
}

```

```

    "serviceConsumerName": "OBSCF_OBCL"
  }

```

**Response:**

```

{
  "headers": {},
  "body": {
    "data": {
      "warningCode": [
        {
          "warningCode": "ST-SAVE-052",
          "warningDesc": "Successfully Saved and Authorized"
        }
      ],
      "amountSchDtls": [
        {
          "compName": "MINTEREST",
          "amtOverdue": "35.07",
          "amtDue": "",
          "aamtDue": "5.2"
        },
        {
          "compName": "PRINCIPAL",
          "amtOverdue": "0",
          "amtDue": "",
          "aamtDue": "7350"
        }
      ],
      "loanStatus": "A",
      "errorCode": [
        {
          "errorCode": "",
          "errorDesc": ""
        }
      ],
      "refundAmount": "0",
      "status": "SUCCESS"
    }
  }
}

```

**CreatePaymentSim**

This API enables the user to fetch the refund details.

SERVICE-CONSUMER = "OBSCF\_OBCL"

SERVICE-CONSUMER-SERVICE= "CreatePaymentSim"

**Request:**

```

{
  "serviceConsumerServiceName": "CreatePaymentSim",
  "body": {
    "penIntOnIntPayable": "",
    "penIntComp": "",
    "clRefNo": "004DES5222770575",
    "loanInterestPayable": "",
    "branchCode": "004",
    "penIntPayable": "",
    "principalComp": "PRINCIPAL",

```

```

        "penIntOnIntComp": "",
        "limitDate": "2022-12-23",
        "totalSettlementAmount": 100,
        "refundReqd": "Y",
        "loanPrincipalPayable": 100,
        "interestComp": "",
        "effectiveDate": "2022-10-04"
    },
    "serviceConsumerName": "OBSCF_OBCL"
}

```

**Response:**

```

{ "data": {
    "warningCode": [
        {
            "warningCode": "ST-SAVE-052",
            "warningDesc": "Successfully Saved and Authorized"
        }
    ],
    "amountSchDtls": [
        {
            "compName": "MINTEREST",
            "amtOverdue": "0",
            "amtDue": "",
            "aamtDue": ""
        },
        {
            "compName": "PRINCIPAL",
            "amtOverdue": "0",
            "amtDue": "",
            "aamtDue": "600"
        }
    ],
    "loanStatus": "A",
    "errorCode": [
        "errorCode": "",
        "errorDesc": ""
    ],
    "refundAmount": "3.51",
    "status": "SUCCESS"
}
}

```

**ReversePayment**

This API enables the user to reverse the payment.

SERVICE-CONSUMER = "OBSCF\_OBCL"

SERVICE-CONSUMER-SERVICE= "ReversePayment"

**Request:**

```

{ "serviceConsumerServiceName": "ReversePayment",
  "body": {
    "branchCode": "004",

```

```

        "clRefNo": "004DES5222770441"
    },
    "serviceConsumerName": "OBSCF_OBCL"
}

```

**Response:**

```

{
  "headers": {},
  "body": {
    "data": {
      "warningCode": [
        {
          "warningCode": "ST-SAVE-076",
          "warningDesc": "Successfully Reversed And Authorized"
        }
      ],
      "errorCode": [
        "errorCode": "",
        "errorDesc": ""
      ],
      "status": "SUCCESS"
    }
  }
}

```

**QueryContract**

This API enables the user to fetch the contract.

SERVICE-CONSUMER = "OBSCF\_OBCL"

SERVICE-CONSUMER-SERVICE= "QueryContract"

**Request:**

```

{
  "serviceConsumerServiceName": "QueryContract",
  "body": {
    "branchCode": "004",
    "contractRefNo": "004SUPF22277AR63",
    "isLoggingRequired": false
  },
  "serviceConsumerName": "OBSCF_OBCL"
}

```

**Response:**

```

{
  "data": {
    "amountDueDetail": [
      {
        "totalAmountDues": "650",
        "amountDue": [
          {
            "component": "PRINCIPAL",
            "amountDue": "650",
            "amountPaid": "650",
            "adjustedAmount": "0",
            "dueDate": "2022-10-04",

```

```

"payByDate": "2022-10-04",
"amountSettledDetails": [
  {
    "currency": "USD",
    "amtPaidinCcy": "50",
    "amtPaid": "50",
    "valueDate": "2022-10-04",
    "processDate": "2022-10-04"
  },
  {
    "currency": "USD",
    "amtPaidinCcy": "100",
    "amtPaid": "100",
    "valueDate": "2022-10-04",
    "processDate": "2022-10-04"
  },
  {
    "currency": "USD",
    "amtPaidinCcy": "50",
    "amtPaid": "50",
    "valueDate": "2022-10-04",
    "processDate": "2022-10-04"
  },
  {
    "currency": "USD",
    "amtPaidinCcy": "50",
    "amtPaid": "50",
    "valueDate": "2022-10-04",
    "processDate": "2022-10-04"
  },
  {
    "currency": "USD",
    "amtPaidinCcy": "100",
    "amtPaid": "100",
    "valueDate": "2022-10-04",
    "processDate": "2022-10-04"
  },
  {
    "currency": "USD",
    "amtPaidinCcy": "50",
    "amtPaid": "50",
    "valueDate": "2022-10-04",
    "processDate": "2022-10-04"
  },
  {
    "currency": "USD",
    "amtPaidinCcy": "100",
    "amtPaid": "100",
    "valueDate": "2022-10-04",
    "processDate": "2022-10-04"
  },
  {
    "currency": "USD",
    "amtPaidinCcy": "50",
    "amtPaid": "50",
    "valueDate": "2022-10-04",
    "processDate": "2022-10-04"
  }
]

```

```

        "processDate": "2022-10-04"
      },
      {
        "currency": "USD",
        "amtPaidinCcy": "100",
        "amtPaid": "100",
        "valueDate": "2022-10-04",
        "processDate": "2022-10-04"
      }
    ],
    "contractIccfView": []
  }
]
},
{
  "totalAmountDues": "35.07",
  "amountDue": [
    {
      "component": "MINTEREST",
      "amountDue": "35.07",
      "amountPaid": "0",
      "adjustedAmount": "0",
      "dueDate": "2022-10-31",
      "payByDate": "2022-10-31",
      "amountSettledDetails": [],
      "contractIccfView": [
        {
          "rateSofr": "6.45",
          "contractRefNo": "004SUPF22277AR63",
          "dailyAccSofr": "35.07",
          "component": "MINTEREST",
          "pAcuInterestSofr": "7350",
          "currency": "USD",
          "spreadAdjustmentSofr": "0",
          "scheduleDate": "2022-10-31",
          "marginSofr": "0",
          "calculationDateSofr": "2022-10-04",
          "interestAmountSofr": "0",
          "totalSimpleIntSofr": "35.07",
          "rateType": "Fixed",
          "finalRate": "6.45",
          "noOfDaysSofr": "27",
          "rateUi": "6.45"
        }
      ]
    }
  ]
}
],
{
  "totalAmountDues": "7355.2",
  "amountDue": [
    {
      "component": "MINTEREST",
      "amountDue": "5.2",
      "amountPaid": "0",
      "adjustedAmount": "0",

```

```

        "dueDate": "2022-11-04",
        "payByDate": "2022-11-04",
        "amountSettledDetails": [],
        "contractIccfView": [
            {
                "rateSofr": "6.45",
                "contractRefNo": "004SUPF22277AR63",
                "dailyAccSofr": "5.2",
                "component": "MINTEREST",
                "pAcuInterestSofr": "7350",
                "currency": "USD",
                "spreadAdjustmentSofr": "0",
                "scheduleDate": "2022-11-04",
                "marginSofr": "0",
                "calculationDateSofr": "2022-10-31",
                "interestAmountSofr": "0",
                "totalSimpleIntSofr": "5.2",
                "rateType": "Fixed",
                "finalRate": "6.45",
                "noOfDaysSofr": "4",
                "rateUi": "6.45"
            }
        ]
    },
    {
        "component": "PRINCIPAL",
        "amountDue": "7350",
        "amountPaid": "0",
        "adjustedAmount": "0",
        "dueDate": "2022-11-04",
        "payByDate": "2022-11-04",
        "amountSettledDetails": [],
        "contractIccfView": []
    }
]
},
{
    "warningCode": [
        {
            "warningCode": "ST-SAVE-073",
            "warningDesc": "Successfully Retrieved"
        }
    ],
    "loanDetails": {
        "branch": "004",
        "loanReferenceNumber": "004SUPF22277AR63"
    },
    "errorCode": [
        "errorCode": "",
        "errorDesc": ""
    ],
    "status": "SUCCESS"
}
}

```

### ModifyContAmendSim

This API enables the user to fetch the refund amount, and other interest details.



SERVICE-CONSUMER = "OBSCF\_OBCL"

SERVICE-CONSUMER-SERVICE= "ModifyContAmendSim"

**Request:**

```
{
  "serviceConsumerServiceName" : "ModifyContAmendSim",
  "body" : {
    "branchCode" : "004",
    "interestDetails" : {
      "InterestTransactionList" : [ {
        "id" : "1218070345078288384",
        "financeRefNo" : "004011122PT04289",
        "seqNo" : 2,
        "interestType" : "R",
        "interestRateType" : "X",
        "interestRate" : 8,
        "spread" : 2,
        "interestRateTotal" : 10,
        "interestCollFreq" : "B",
        "interestAmtCcy" : "USD",
        "interestAmount" : 0,
        "componetName" : null,
        "interestComp" : "O",
        "fixedRateType" : "U",
        "rateCode" : null,
        "resetTenor" : null,
        "rateFixingDays" : 0,
        "rateCodeUsage" : "A",
        "rateRevisionFreq" : null,
        "rateBasis" : "ACTUAL_360",
        "rateCalcType" : null,
        "tierBasedSpread" : "N",
        "tierType" : "A",
        "frequency" : "B",
        "noOfUnits" : 1,
        "scheduleType" : "NORMAL",
        "referenceDate" : "VALUE_DATE",
        "monthEnd" : null,
        "spreadApplication" : null,
        "interestCollectionPeriod" : null,
        "holidayTreatment" : null,
        "payRecieveAmount" : null,
        "interestAmtTier" : [ ],
        "interestTenorTier" : [ ],
        "interestMixedTier" : [ ],
        "altRiskFreeRate" : "N",
        "rfrMethod" : null,
        "lookBackDays" : null,
        "lockOutDays" : null,
        "isRateCompounding" : null,
        "rfrRoundingUnit" : null,
        "spreadOrMarginComputationMethod" : null,
        "spreadAdjComputationMethod" : null,
        "rateCompoundingMethod" : null,
        "pricingDescription" : null,
      } ]
    }
  }
}
```

```
        "pricingId" : null,  
        "rateType" : null,  
        "rate" : null,  
        "filterCriteria" : "PROGRAM_PARTY_BASED",  
        "filterCriteriaName" : "Program Party Based",  
        "pricingTemplateCode" : "PC00000115",  
        "pricingTemplateDesc" : "Amount Based Int",  
        "isAmended" : "Y",  
        "updatedSpreadToBeApplied" : 2,  
        "amendCount" : 0  
    } ]  
},  
"componentDetails" : [ ],  
"financeDetails" : {  
    "id" : "1218070345065705472",  
    "financeRefNo" : "004011122PT04289",  
    "intgStatusCode" : null,  
    "seqNo" : 2,  
    "reversedSeqNo" : null,  
    "requestId" : "R0111222312",  
    "branchCode" : "004",  
    "productCode" : "PT07",  
    "operationCode" : "AMENDMENT",  
    "programCode" : "APT077",  
    "isAdhocTxn" : "N",  
    "isSplitTxn" : null,  
    "programName" : "Prog For Finance",  
    "buyerId" : "000122",  
    "buyerName" : "Total Energies",  
    "buyerDivCode" : null,  
    "buyerDivName" : null,  
    "supplierId" : "000687",  
    "supplierName" : "Salt",  
    "supplierDivCode" : null,  
    "supplierDivName" : null,  
    "debtor" : "000122",  
    "debtorName" : "Total Energies",  
    "startDate" : "2022-11-01",  
    "tenor" : 30,  
    "maturityDate" : "2022-12-01",  
    "totalInstrumentAmtCcy" : "USD",  
    "totalInstrumentAmt" : 1000,  
    "totalNetInvoiceAmt" : 1000,  
    "financePCT" : 100,  
    "financeAmtCcy" : "USD",  
    "financeAmt" : 1000,  
    "exchangeRate" : 1,  
    "processingDate" : "2022-11-01",  
    "settlementProcessingDate" : null,  
    "makerId" : "THRUPTHAC",  
    "makerDateStamp" : "2022-11-01",  
    "authId" : null,  
    "authDateStamp" : null,  
    "financeStatus" : "DISBURSED",  
    "clRefNo" : "004SUPF223060239",  
    "settlementRefNo" : null,
```

```
"settlementMethod" : null,  
"totalSettlementAmt" : null,  
"creditReceived" : null,  
"creditAccount" : null,  
"paymentParty" : null,  
"accountType" : null,  
"settlementAmtAllocated" : null,  
"balanceAmtToBeAllocated" : null,  
"settlementAmtAllocation" : null,  
"manualAllocation" : null,  
"pastDueDate" : "2022-12-01",  
"valueDate" : "2022-11-01",  
"principalOSAmount" : 1000,  
"interestOSAmount" : 0,  
"totalOSAmount" : 1000,  
"valueDtdIntOSAmt" : null,  
"overdueIntOSAmt" : 0,  
"valueDtdOverdueIntOSAmt" : null,  
"paymentAmt" : null,  
"appropPaymentAmt" : null,  
"appropriationSequence" : null,  
"pmtToPrncplOS" : null,  
"pmtToIntOS" : null,  
"pmtToOverdueIntOS" : null,  
"productDescription" : "Product For Finance",  
"productCategory" : "INV",  
"maxTenorAllowed" : null,  
"minTenorAllowed" : null,  
"minFinPCT" : null,  
"maxFinPCT" : null,  
"holidayTreatment" : "NBD",  
"productType" : "B",  
"preferredDisbursementMode" : "ACCOUNT_TRANSFER",  
"settlementCcy" : null,  
"totalOSAmountSettlementCcy" : null,  
"refund" : null,  
"settlementExchangeRate" : null,  
"totalOSPostAllocation" : null,  
"settleFinExcRate" : null,  
"stageId" : "Processing",  
"errorCode" : null,  
"errorDescription" : null,  
"graceDays" : 0,  
"partRepaymentAllowed" : null,  
"staleStatus" : null,  
"isOverdue" : null,  
"minFinanciableAmt" : null,  
"maxFinanciableAmt" : null,  
"minReFinPCT" : null,  
"maxReFinPCT" : null,  
"penIntOSAmt" : 0,  
"pmtToPenOnIntOS" : null,  
"valueDtdPenIntOSAmt" : null,  
"interestAmortized" : null,  
"withRecourse" : "Y",  
"transactionFlow" : null,
```

```

        "totalMarginAmount" : null,
        "interestType" : "R",
        "interestRefundAmt" : null,
        "interestRefundHandling" : null,
        "interestRefundPmtMode" : null,
        "interestBearingPartyRole" : "B",
        "isFromRecon" : null,
        "interestPaidUpfront" : null,
        "delinquencyStatus" : null,
        "intCalcBasisAmt" : 1000,
        "odIntCalcBasisAmt" : 0,
        "penIntCalcBasisAmt" : 0,
        "isLimitsApplicable" : null,
        "docRefNo" : "004011122PT04289",
        "requestDate" : null,
        "paymentRefNo" : null,
        "chgCalc" : null,
        "utrRefNo" : null,
        "parentRefNo" : null,
        "npaorOverDueCheckResponseModelList" : null,
        "interestDueAmount" : null,
        "valueDtdIntDueAmt" : null,
        "pmtToIntDue" : null,
        "interestCollFreq" : "B",
        "earliestScheduleDate" : null,
        "inProgressSettlementsFound" : null,
        "statusSortingComparator" : null,
        "appropriated" : null,
        "principalOSAmountForCalc" : null,
        "valueDtdIntOSAmtForCalc" : null,
        "valueDtdOverdueIntOSAmtForCalc" : null,
        "valueDtdPenIntOSAmtForCalc" : null,
        "valueDtdIntDueAmtForCalc" : null,
        "totalOSAmountForCalc" : null,
        "prePostConversion" : "N",
        "preShipSettlementAmt" : 0,
        "netDisbursedAmt" : 1000,
        "skipPreShipmentLiquidation" : "N",
        "isFromPostShipmentDisbursement" : null,
        "preShipFinanceRefNo" : null,
        "componentsScheduleCollection" : null,
        "liquidationOrder" : null,
        "postShipmentFinanceModel" : null,
        "autoSettleNFinRefNoList" : null,
        "useEarmarkedLimits" : null,
        "isAmended" : "Y",
        "oldMaturityDate" : null,
        "amendType" : "PRICING",
        "channel" : "HOST",
        "fundingReqDate" : null,
        "instrumentDate" : "2022-11-01"
    }
},
"serviceConsumerName" : "OBSCF_OBCL"
}

```

**Response:**

```

{
  "headers" : { },
  "body" : {
    "data" : {
      "interestDetails" : [ {
        "spread" : "0",
        "totalInterestRate" : "2",
        "userRate" : "2",
        "component" : "MINTEREST"
      }, {
        "spread" : "2",
        "totalInterestRate" : "10",
        "userRate" : "8",
        "component" : "PRINPENAL"
      }, {
        "spread" : "0",
        "totalInterestRate" : "2",
        "userRate" : "2",
        "component" : "PENINT"
      } ],
      "amountDueDetail" : [ {
        "totalAmountDues" : "1001.64",
        "amountDue" : [ {
          "component" : "MINTEREST",
          "amountDue" : "1.64",
          "amountPaid" : "",
          "adjustedAmount" : "",
          "dueDate" : "",
          "payByDate" : "2022-12-01",
          "payReceiveAmount" : "0",
          "currency" : "",
          "amountSettledDetails" : [ ],
          "contractIccfView" : [ {
            "rateSofr" : "2",
            "contractRefNo" : "004SUPF223060239",
            "dailyAccSofr" : "1.64",
            "component" : "MINTEREST",
            "pAcuInterestSofr" : "1000",
            "currency" : "USD",
            "spreadAdjustmentSofr" : "0",
            "scheduleDate" : "2022-12-01",
            "marginSofr" : "0",
            "calculationDateSofr" : "2022-11-01",
            "interestAmountSofr" : "0",
            "totalSimpleIntSofr" : "1.64",
            "rateType" : "",
            "finalRate" : "2",
            "noOfDaysSofr" : "30",
            "rateUi" : ""
          } ]
        } ]
      }, {
        "component" : "PRINCIPAL",
        "amountDue" : "1000",
        "amountPaid" : "",

```

```

        "adjustedAmount" : "",
        "dueDate" : "",
        "payByDate" : "2022-12-01",
        "payReceiveAmount" : "0",
        "currency" : "",
        "amountSettledDetails" : [ ],
        "contractIccfView" : [ ]
    } ]
} ],
"loanDetails" : {
    "loanReferenceNumber" : "004SUPF223060239",
    "branch" : "004"
},
"errorCode" : [ ],
"status" : "SUCCESS"
},
"messages" : {
    "keyId" : null,
    "status" : "SUCCESS",
    "codes" : [ ],
    "requestId" : null,
    "httpStatusCode" : "OK",
    "overrideAuthLevelsReqd" : null
}
}
}

```

## 6.2 Consumer Services - Oracle Banking Enterprise Limits and Collateral Management

This topic describes about the consumer services required for Oracle Banking Enterprise Limits and Collateral Management Implementation.

The below endpoints must be configured under Consumer Services in Oracle Banking Routing Hub:

- NewUtilization
- CreateBlock
- QueryValidLimit

**Figure 6-2 Consumer Services - Enterprise Limits and Collateral Management**

Service Consumers				
OBSCF_ELCM				
Service Providers <b>Consumer Services</b>				
<div> <div>Add</div> <div>Import</div> <div>Search</div> </div>				
Actions	Name	Description		
⋮	NewUtilization	Utilization of ELCM		
⋮	CreateBlock	ELCM call used to create a block		
⋮	QueryValidLimit	Used to query the Limit details		
Page <input type="text" value="1"/> of 1 ( 1 - 3 of 3 items) <div>              &lt;             &lt;             1             &gt;             &gt;            </div>				

**NewUtilization**

This API enables the user to utilize the blocked limits during disbursement, or release the utilized limits during settlement.

SERVICE-CONSUMER = "OBSCF\_ELCM"

SERVICE-CONSUMER-SERVICE= "NewUtilization"

**Request:**

```
{
  "serviceConsumerServiceName": "NewUtilization",
  "body": {
    "txnAdhocLimitAmount": 0,
    "lineSerial": 1,
    "userBranchCode": "004",
    "totalAvailableAmount": 12340455,
    "externalLineId": "0003801",
    "txnMainLimitAmount": 229,
    "totalUtilizeAmount": 112,
    "customerNumber": "000380",
    "appBranchCode": "004",
    "txnCcy": "USD",
    "transactionType": "Rel",
    "blockId": "",
    "businessDate": "2022-11-01",
    "earmarkBlockUpdate": "N",
    "requestId": "004011122PR04120_1",
    "totalAdhocBlockAmount": 0,
    "limitsType": "FINANCE",
    "actionCode": "DECREASE",
    "operation": "NewUtilization",
    "txnAmount": 116,
    "liabNo": "000380",
    "totalBlockAmount": 229
  },
}
```

```

    "serviceConsumerName": "OBSCF_ELCM"
  }

```

### Response:

```

{
  "headers": {},
  "body": {
    "data": {
      "referenceNo": "004011122PR04120_1",
      "warningCode": [
        {
          "warningCode": "ST-SAVE-027",
          "warningDesc": "Request Successfully Processed"
        }
      ],
      "errorCode": [],
      "currency": "USD",
      "status": "SUCCESS"
    },
    "messages": {
      "keyId": null,
      "status": "SUCCESS",
      "codes": [],
      "requestId": null,
      "httpStatusCode": "OK",
      "overrideAuthLevelsReqd": null
    }
  }
}

```

### CreateBlock

This API enables the user to block or unblock the limits.

SERVICE-CONSUMER = "OBSCF\_ELCM"

SERVICE-CONSUMER-SERVICE= "CreateBlock"

### Request

```

{
  "serviceConsumerServiceName": "CreateBlock",
  "body": {
    "txnAdhocLimitAmount": 0,
    "lineSerial": 1,
    "userBranchCode": "004",
    "totalAvailableAmount": 12340455,
    "externalLineId": "0003801",
    "txnMainLimitAmount": 116,
    "totalUtilizeAmount": 112,
    "customerNumber": "000380",
    "appBranchCode": "004",
    "txnCcy": "USD",
    "transactionType": "Block",
    "businessDate": "2022-11-01",

```



```

        "earmarkBlockUpdate": "N",
        "requestId": "004011122PR04120_1",
        "totalAdhocBlockAmount": 0,
        "limitsType": "FINANCE",
        "action": "NEW",
        "operation": "CreateBlock",
        "txnAmount": 116,
        "effectiveDate": "2022-11-01",
        "liabNo": "000380",
        "totalBlockAmount": 345
    },
    "serviceConsumerName": "OBSCF_ELCM"
}

```

### Response:

```

{
  "headers": {},
  "body": {
    "data": {
      "referenceNo": "004011122PR04120_1",
      "warningCode": [
        {
          "warningCode": "ST-SAVE-002",
          "warningDesc": "Record Successfully Saved and Authorized"
        }
      ],
      "blockAmount": "116",
      "errorCode": [],
      "currency": "USD",
      "status": "SUCCESS"
    },
    "messages": {
      "keyId": null,
      "status": "SUCCESS",
      "codes": [],
      "requestId": null,
      "httpStatusCode": "OK",
      "overrideAuthLevelsReqd": null
    }
  }
}

```

### QueryValidLimit

This API enables the user to query the limit details.

SERVICE-CONSUMER = "OBSCF\_ELCM"

SERVICE-CONSUMER-SERVICE= "QueryValidLimit"

### Request:

```

{
  "serviceConsumerServiceName" : "QueryValidLimit",
  "body" : {

```

```

    "branchCode" : "004",
    "customerId" : "000381",
    "operation" : "QueryValidLimit"
  },
  "serviceConsumerName" : "OBSCF_ELCM"
}

```

**Response:**

```

{
  "headers": {},
  "body": {
    "data": {
      "warningCode": [
        {
          "warningCode": "ST-SAVE-025",
          "warningDesc": "Record Successfully Retrieved"
        }
      ],
      "externalLineDetailDTO": [
        {
          "availableAmount": "12340567",
          "blockAmount": "0",
          "effectiveLineAmount": "12340567",
          "limitAmount": "12340567",
          "externalLineId": "0003811",
          "limitCcy": "USD",
          "lineStartDate": "2021-10-19",
          "lineExpiryDate": "",
          "utilisationAmt": "0",
          "reviewDate": "",
          "unadvised": ""
        }
      ],
      "errorCode": [],
      "liabNo": "000381",
      "status": "SUCCESS"
    },
    "messages": {
      "keyId": null,
      "status": "SUCCESS",
      "codes": [],
      "requestId": null,
      "httpStatusCode": "OK",
      "overrideAuthLevelsReqd": null
    }
  }
}

```

## 6.3 Consumer Services - Oracle FLEXCUBE Universal Banking

This topic describes about the consumer services required for Oracle FLEXCUBE Universal Banking Implementation.

The below endpoints must be configured under Consumer Services in Oracle Banking Routing Hub:

- CreateEcablk
- CloseEcablk
- CreateExtAccEcaEntries
- CreateQueryPricing

**Figure 6-3 Consumer Services - FLEXCUBE Banking**

Service Consumers		
OBSCF_FCUBS		
Service Providers Consumer Services		
Actions	Name	Description
⋮	CreateEcablk	Create ECA Block
⋮	CreateExtAccEcaEntries	Create External Accounting Eca Entries
⋮	CloseEcablk	Close Eca block

Page 1 of 1 (1 - 3 of 3 items) |< < 1 > >|

### CreateEcablk

This API enables the user to create ECA block for debit accounts.

SERVICE-CONSUMER = "OBSCF\_FCUBS"

SERVICE-CONSUMER-SERVICE= "CreateEcablk"

#### Request:

```
{
  "serviceConsumerServiceName": "CreateEcablk",
  "body": {
    "branchCode": "004",
    "ecaSize": {
      "1": {
        "forceBlk": "",
        "partialBlkReqd": "",
        "reqBlkAmt": 1270,
        "custAcBrn": "004",
        "custAccCcy": "USD",
        "action": null,
        "custAcNo": "0040006410050"
      }
    }
  }
}
```

```

    }
  },
  "createExtRefNo": "R2022-10-053340",
  "ecaDetails": [
    {
      "forceBlk": "",
      "partialBlkReqd": "",
      "reqBlkAmt": 1270,
      "custAcBrn": "004",
      "custAccCcy": "USD",
      "action": null,
      "custAcNo": "0040006410050"
    }
  ],
  "updaSerrIfAnyFail": "Y",
  "brn": "004"
},
"serviceConsumerName": "OBSCF_FCUBS"
}

```

**Response:**

```

{
  "headers": {},
  "body": {
    "data": {
      "txnStatus": "A",
      "warningCode": [
        {
          "warningCode": "CA-ECA12",
          "warningDesc": "Effective date has been defaulted to
today"
        },
        {
          "warningCode": "ST-SAVE-052",
          "warningDesc": "Successfully Saved and Authorized"
        }
      ],
      "createExtRefNno": "R2022-10-053340",
      "updasErrIfAnyFail": "Y",
      "ecaRefNo": "ECA177198",
      "errorCode": [],
      "ecaDetails": [
        {
          "blkRefNo": "ECABLK40017",
          "approvedBlkAmt": "1270",
          "outstandingBlkAmt": "1270",
          "reqBlkAmt": "1270",
          "custAcNo": "0040006410050",
          "ecaRefNo": "ECA177198",
          "ecaDetailsLog": [
            {
              "outStandingAmount": "1270",
              "reqBlkAmountLog": "1270",
              "txnAmountLog": "1270",

```

```

        "custAcNo": "0040006410050",
        "ecaRefNo": "ECA177198",
        "amt": "1270",
        "ecaErrOvdLog": []
    }
}
],
    "effectiveDate": "2021-03-27",
    "status": "SUCCESS"
},
"messages": {
    "keyId": null,
    "status": "SUCCESS",
    "codes": [],
    "requestId": null,
    "httpStatusCode": "OK",
    "overrideAuthLevelsReqd": null
}
}
}

```

### CloseEcablK

This API enables the user to cancel the ECA block if the transaction is rejected or rolled back.

SERVICE-CONSUMER = "OBSCF\_FCUBS"

SERVICE-CONSUMER-SERVICE= "CloseEcablK"

### Request

```

{
    "serviceConsumerServiceName": "CloseEcablK",
    "body": {
        "branchCode": "004",
        "trnRefNo": "R2022-10-0548984",
        "txnBrn": "004",
        "ecaSize": {
            "1": {
                "custAcBrn": "004",
                "custAccCcy": "GBP",
                "ecaRefNo": "ECA177630",
                "custAcNo": "GBP1119999999",
                "brn": "004"
            }
        },
        "uniqueExtRefno": "R2022-10-0548984",
        "ecaRefNo": "ECA177630",
        "referralAllowed": "Y",
        "ecaDetails": [
            {
                "custAcBrn": "004",
                "custAccCcy": "GBP",
                "ecaRefNo": "ECA177630",
                "custAcNo": "GBP1119999999",
                "brn": "004"
            }
        ]
    }
}

```

```

    }
  ],
  "event": "INIT"
},
"serviceConsumerName": "OBSCF_FCUBS"
}

```

**Response:**

```

{
  "headers": {},
  "body": {
    "data": {
      "txnStatus": "K",
      "warningCode": [
        {
          "warningCode": "ST-SAVE-060",
          "warningDesc": "Successfully Closed And Authorized"
        }
      ],
      "createExtRefNno": "R2022-10-0597144",
      "updasErrIfAnyFail": "Y",
      "ecaRefNo": "ECA177630",
      "errorCode": [],
      "effectiveDate": "2021-03-27",
      "status": "SUCCESS"
    },
    "messages": {
      "keyId": null,
      "status": "SUCCESS",
      "codes": [],
      "requestId": null,
      "httpStatusCode": "OK",
      "overrideAuthLevelsReqd": null
    }
  }
}

```

**CreateExtAccEcaEntries**

This API enables the user to post accounting entries to FCUBS after the transaction is authorized or reverse the accounting entries in case the transaction is rolled back.

SERVICE-CONSUMER = "OBSCF\_FCUBS"

SERVICE-CONSUMER-SERVICE= "CreateExtAccEcaEntries"

**Request:**

```

{
  "serviceConsumerServiceName": "CreateExtAccEcaEntries",
  "body": {
    "branchCode": "004",
    "trnRefNo": "R2022-10-0573407",
    "txnBrn": "004",

```

```
"uniqueExtRefno": "R2022-10-0573407",
"event": "INIT",
"accPostMap": {
  "1": {
    "id": "1182591265587810304",
    "refNo": "004081223CACC280",
    "seqNo": null,
    "accountingEntryCode": "CASH_COLL_CR",
    "drCrIndicator": "D",
    "amountCcy": "GBP",
    "amount": 1000,
    "actualPostingAmt": null,
    "accountCcy": "GBP",
    "amountAccCcy": 1000,
    "accountNo": "988623460",
    "amountType": "CONS_TXN_AMT",
    "exchangeRate": 1,
    "status": null,
    "accRoleCode": "CMS_COLL_CASH_POOL",
    "accPartyType": null,
    "accPartyId": null,
    "accSettMethod": "INTERNAL_GL",
    "accEntrySeq": 1,
    "accRoleDesc": "Cms Collection Cash Pool",
    "accEntryDesc": "Cash Collection Credit",
    "accType": "G",
    "ecaRefNo": null,
    "eventSrNo": 1,
    "externalAccount": null,
    "paymentMode": null,
    "externalAccountCcy": null,
    "externalBankId": null,
    "externalBankName": null,
    "externalBranchCode": null,
    "externalBranchName": null,
    "externalBranchRoutingCode": null,
    "stage": null,
    "makerId": "OBCMUSER2",
    "makererDateStamp": 1701993600000,
    "checkerId": null,
    "checkerDateStamp": null,
    "additionalField1": null,
    "additionalField2": null,
    "additionalField3": null,
    "additionalField4": null,
    "additionalField5": null,
    "additionalField6": null,
    "additionalField7": null,
    "additionalField8": null,
    "additionalField9": null,
    "additionalField10": null,
    "applicationCode": "OBCM",
    "eventCode": "POOLING",
    "valueDate": 1664928000000,
    "processingDate": 1664928000000,
    "txnBranchCode": "004",
```

```

    "productCode": "CASH",
    "postingRefNo": null,
    "postingStatus": null,
    "ecaStatus": null,
    "postingErrorCode": null,
    "ecaErrorCode": null,
    "blkRefNo": null,
    "accClass": null,
    "vaContraAccountNo": null,
    "vamPostingRefNo": null,
    "vamPostingStatus": null,
    "clearingRefNo": null,
    "paymentStatus": null,
    "paymentRefNo": null,
    "extPmtErrorCode": null,
    "lcyAmt": 1000,
    "fcyAmt": 1000,
    "relatedRef": "0000000508",
    "acNo": "988623460",
    "isRolloverApplicable": false,
    "trnCode": "000"
  },
  "2": {
    "id": "1182591265667502080",
    "refNo": "004081223CACC280",
    "seqNo": null,
    "accountingEntryCode": "CASH_COLL_CR",
    "drCrIndicator": "C",
    "amountCcy": "GBP",
    "amount": 1000,
    "actualPostingAmt": null,
    "accountCcy": "GBP",
    "amountAccCcy": 1000,
    "accountNo": "GBP1119999999",
    "amountType": "CONS_TXN_AMT",
    "exchangeRate": 1,
    "status": null,
    "accRoleCode": "CUST_ACC",
    "accPartyType": "C",
    "accPartyId": "000380",
    "accSettMethod": "CUST_A/C",
    "accEntrySeq": 1,
    "accRoleDesc": "Customer Account",
    "accEntryDesc": "Cash Collection Credit",
    "accType": "C",
    "ecaRefNo": null,
    "eventSrNo": 1,
    "externalAccount": null,
    "paymentMode": null,
    "externalAccountCcy": null,
    "externalBankId": null,
    "externalBankName": null,
    "externalBranchCode": null,
    "externalBranchName": null,
    "externalBranchRoutingCode": null,
    "stage": null,

```



```

        "makerId": "OBCMUSER2",
        "makererDateStamp": 1701993600000,
        "checkerId": null,
        "checkerDateStamp": null,
        "additionalField1": null,
        "additionalField2": null,
        "additionalField3": null,
        "additionalField4": null,
        "additionalField5": null,
        "additionalField6": null,
        "additionalField7": null,
        "additionalField8": null,
        "additionalField9": null,
        "additionalField10": null,
        "applicationCode": "OBCM",
        "eventCode": "POOLING",
        "valueDate": 1664928000000,
        "processingDate": 1664928000000,
        "txnBranchCode": "004",
        "productCode": "CASH",
        "postingRefNo": null,
        "postingStatus": null,
        "ecaStatus": null,
        "postingErrorCode": null,
        "ecaErrorCode": null,
        "blkRefNo": null,
        "accClass": null,
        "vaContraAccountNo": null,
        "vamPostingRefNo": null,
        "vamPostingStatus": null,
        "clearingRefNo": null,
        "paymentStatus": null,
        "paymentRefNo": null,
        "extPmtErrorCode": null,
        "lcyAmt": 1000,
        "fcyAmt": 1000,
        "relatedRef": "0000000508",
        "acNo": "GBP1119999999",
        "isRolloverApplicable": false,
        "trnCode": "000"
    }
}
},
"serviceConsumerName": "OBSCF_FCUBS"
}

```

**Response:**

```

{
  "headers": {},
  "body": {
    "data": {
      "warningCode": [
        {
          "warningCode": "ST-SAVE-052",

```

```

        "warningDesc": "Successfully Saved and Authorized"
      },
    ],
    "errorCode": [],
    "grpRefNo": "941477",
    "status": "SUCCESS"
  },
  "messages": {
    "keyId": null,
    "status": "SUCCESS",
    "codes": [],
    "requestId": null,
    "httpStatusCode": "OK",
    "overrideAuthLevelsReqd": null
  }
}
}

```

### CreateQueryPrice

This API enables the user to calculate charge pricing if external pricing method is applicable.

SERVICE-CONSUMER = "OBSCFCM\_FCUBS"

SERVICE-CONSUMER-SERVICE= "CreateQueryPrice"

#### Request:

```

{
  "serviceConsumerServiceName" : "CreateQueryPrice",
  "body" : {
    "priceMethods" : [ {
      "externalCharge" : null,
      "partyId" : "000380",
      "chargeCode" : "DOC",
      "partyToCharge" : "BUY",
      "priceMethod" : null,
      "priceRuleId" : null,
      "charge" : null,
      "chargeCcy" : "USD",
      "chargeSharing" : "N",
      "exchangeRate" : null,
      "minMaxValidationCriteria" : null,
      "maxChgAmount" : null,
      "maxChgPct" : null,
      "minChgAmount" : null,
      "minChgPct" : null,
      "externalPricingApplicable" : "Y",
      "externalPricingSystem" : "FCUBS",
      "externalPricingConsumerService" : "OBSCFCM_FCUBS",
      "externalPrcId" : null,
      "externalPrcDesc" : null
    } ],
    "txnRefNo" : "004030423PR00271",
    "txnAttributes" : [ {
      "attrName" : "ID",
      "attrValue" : "1098478904887623680"
    } ]
  }
}

```

```

    }, {
      "attrName" : "FINANCEREFNO",
      "attrValue" : "004030423PR00271"
    }, {
      "attrName" : "SEQNO",
      "attrValue" : "1.0"
    }, {
      "attrName" : "REQUESTID",
      "attrValue" : "R0304230373"
    }, {
      "attrName" : "BRANCHCODE",
      "attrValue" : "004"
    }, {
      "attrName" : "PRODUCTCODE",
      "attrValue" : "PRD2"
    }, {
      "attrName" : "OPERATIONCODE",
      "attrValue" : "DISBURSEMENT"
    }, {
      "attrName" : "PROGRAMCODE",
      "attrValue" : "PROGRAM2"
    }, {
      "attrName" : "ISADHOCTXN",
      "attrValue" : "N"
    }, {
      "attrName" : "PROGRAMNAME",
      "attrValue" : "This is PROGRAM2"
    }, {
      "attrName" : "BUYERID",
      "attrValue" : "000380"
    }, {
      "attrName" : "BUYERNAME",
      "attrValue" : "Carrefour"
    }, {
      "attrName" : "SUPPLIERID",
      "attrValue" : "000381"
    }, {
      "attrName" : "SUPPLIERNAME",
      "attrValue" : "Danone"
    }, {
      "attrName" : "DEBTOR",
      "attrValue" : "000380"
    }, {
      "attrName" : "DEBTORNAME",
      "attrValue" : "Carrefour"
    }, {
      "attrName" : "STARTDATE",
      "attrValue" : "2023-04-03"
    }, {
      "attrName" : "TENOR",
      "attrValue" : "17.0"
    }, {
      "attrName" : "MATURITYDATE",
      "attrValue" : "2023-04-20"
    }, {
      "attrName" : "TOTALINSTRUMENTAMTCCY",

```

```

        "attrValue" : "USD"
    }, {
        "attrName" : "TOTALINSTRUMENTAMT",
        "attrValue" : "50.0"
    }, {
        "attrName" : "FINANCEPCT",
        "attrValue" : "100.0"
    }, {
        "attrName" : "FINANCEAMTCCY",
        "attrValue" : "USD"
    }, {
        "attrName" : "FINANCEAMT",
        "attrValue" : "0.0"
    }, {
        "attrName" : "EXCHANGERATE",
        "attrValue" : "1.0"
    }, {
        "attrName" : "PROCESSINGDATE",
        "attrValue" : "2023-04-03"
    }, {
        "attrName" : "MAKERID",
        "attrValue" : "SRUDRACH"
    }, {
        "attrName" : "PASTDUE DATE",
        "attrValue" : "2023-04-20"
    }, {
        "attrName" : "PRODUCTDESCRIPTION",
        "attrValue" : "This is PRD2"
    }, {
        "attrName" : "PRODUCTCATEGORY",
        "attrValue" : "INV"
    }, {
        "attrName" : "MAXTENORALLOWED",
        "attrValue" : "999.0"
    }, {
        "attrName" : "MINTENORALLOWED",
        "attrValue" : "1.0"
    }, {
        "attrName" : "MINFINPCT",
        "attrValue" : "1.0"
    }, {
        "attrName" : "MAXFINPCT",
        "attrValue" : "100.0"
    }, {
        "attrName" : "HOLIDAYTREATMENT",
        "attrValue" : "NCH"
    }, {
        "attrName" : "PRODUCTTYPE",
        "attrValue" : "B"
    }, {
        "attrName" : "PREFERREDDISBURSEMENTMODE",
        "attrValue" : "ACCOUNT_TRANSFER"
    }, {
        "attrName" : "STAGEID",
        "attrValue" : "Processing"
    }, {

```

```

        "attrName" : "GRACEDAYS",
        "attrValue" : "0.0"
    }, {
        "attrName" : "STALESTATUS",
        "attrValue" : "Y"
    }, {
        "attrName" : "MINFINANCIABLEAMT",
        "attrValue" : "0.0"
    }, {
        "attrName" : "MAXFINANCIABLEAMT",
        "attrValue" : "50.0"
    }, {
        "attrName" : "MINREFINPCT",
        "attrValue" : "0.0"
    }, {
        "attrName" : "MAXREFINPCT",
        "attrValue" : "100.0"
    }, {
        "attrName" : "WITHRECOOURSE",
        "attrValue" : "Y"
    }, {
        "attrName" : "TOTALMARGINAMOUNT",
        "attrValue" : "50.0"
    }, {
        "attrName" : "INTERESTBEARINGPARTYROLE",
        "attrValue" : "B"
    }, {
        "attrName" : "INTCALCBASISAMT",
        "attrValue" : "0.0"
    }, {
        "attrName" : "ODINTCALCBASISAMT",
        "attrValue" : "0.0"
    }, {
        "attrName" : "PENINTCALCBASISAMT",
        "attrValue" : "0.0"
    }, {
        "attrName" : "DOCREFNO",
        "attrValue" : "004030423PR00271"
    } ],
    "applicationCode" : null
},
"serviceConsumerName" : "OBSCFCM_FCUBS"
}

```

**Response:**

```

{
    "headers": {},
    "body": {
        "data": {
            "edes": [],
            "warningCode": [
                {
                    "warningCode": "ST-SAVE-002",
                    "warningDesc": "Record Successfully Saved and Authorized"
                }
            ]
        }
    }
}

```

```

    },
    "sourceSystem": "FCUBS",
    "customerAccNo": "",
    "errorCode": [],
    "rpRefNo": "004CURP21086001P",
    "priceCompCodes": "DOC",
    "currency2": "USD",
    "productCode": "PRD2",
    "rateDetails": [],
    "exchangeRateDetails": [],
    "txnRefNo": "004030423PR00271",
    "feeDetails": [
        {
            "calculatedValue": "10",
            "characteristicValue": "CHARGE",
            "priceCcy": "USD",
            "priceCompCode": "DOC",
            "varianceType": "FIXED AMOUNT",
            "errorCode": "",
            "errorDescription": ""
        }
    ],
    "currency": "USD",
    "moduleId": "IC",
    "customerNo": "000242"
},
"messages": {
    "keyId": null,
    "status": "SUCCESS",
    "codes": [],
    "requestId": null,
    "httpStatusCode": "OK",
    "overrideAuthLevelsReqd": null
}
}
}

```




## 6.4 Consumer Services - Oracle Banking Cash Management

This topic describes about the consumer services required for Oracle Banking Cash Management Implementation.

The below endpoints must be configured under Consumer Services in Oracle Banking Routing Hub:

- CashflowTxnUpdate
- CashflowTxnRead

**Figure 6-4 Consumer Services - Cash Management**

Service Consumers		
OBSCFCM_OBCM		
Service Providers <b>Consumer Services</b>		
<div><div><div><div></div><div>Add</div></div><div><div></div><div>Import</div></div><div><div><input type="text" value="Search"/></div><div></div></div></div></div>		
Actions	Name	Description
<div><div></div></div>	CashflowTxnRead	Search Cashflow transactions
<div><div></div></div>	CashflowTxnUpdate	Update cashflow transactions
Page 1 of 1 ( 1 - 2 of 2 items) < 1 >		

## CashflowTxnUpdate

This API enables the user to provide accurate forecasts of guaranteed cashflows.

SERVICE-CONSUMER = "OBSCFCM\_OBCM"

SERVICE-CONSUMER-SERVICE= "CashflowTxnUpdate"

**Request:**

[illegible]

```
indicator: I
invoiceDate: 2022-07-06
invoiceDueDate: 2023-03-23
invoiceNumber: INVCASH01
invoiceProcessStatus: SUCCESS
invoiceRefNo: INV1466
invoiceStatus: ACCEPTED
invAcceptanceDate: 2022-07-06
maxFinancePercentage: null
paidAmount: 0
paymentStatus: UNPAID
preAccepted: Y
poNumber: null
programCode: null
programName: null
reasonCode: null
remarks: null
supplierId: 000381
supplierName: Danone
supplierDivCode: null
supplierDivName: null
taxAmount: 0
totalInvoiceAmount: 10000
paymentTerms: null
shipmentDate: null
outstandingAmount: 10000
discountAllowed: Y
discountPercentage: 0
discountAmount: 0
taxPercentage: 0
purchaseOrderDate: null
staleStatus: N
divisionCode: null
shipmentAddress: null
shipmentCountry: null
shipmentNo: null
reasonForExport: null
termsOfSale: null
countryOfOrigin: null
miscCharge1: null
miscCharge1Amount: 0
miscCharge1Desc: null
miscCharge2: null
miscCharge2Amount: 0
miscCharge2Desc: null
netInvoiceAmount: 10000
financeableAmount: null
finTxnStatus: null
transactionRefNo: 004230323INV2642
relationCode: REL701
supplierCode: null
buyerCode: null
shipmentRefNo: null
repayAccountNo: null
bank: null
branch: null
```



```
routingCode: null
isAutoAuth: null
reasonErrorCode: null
isApproved: null
invoiceCommodityGridList: []
finEligibilityAmt: null
reconTxnStatus: null
reasonForShipment: null
virtualAcFlag: N
fundingReqAmt: null
raisedBy: null
processingBranchCode: 004
action: CREATE
processingDate: null
paymentDate: null
disputedAmount: null
linkedDocs: null
isFinanced: null
tcmId: null
makerId: null
makerDtStamp: null
stageId: null
isAccepted: Y
isDisputeResolvedWriteOff: null
isAssigned: null
assignmentParty: null
isOverdue: null
oldAcceptanceAmount: null
oldFinanceAmount: null
amountToBeFinanced: null
oldInvoiceDueDate: null
oldDisputeAmount: null
sourceTxnId: HOST004230323INV2642
adjustmentReason: null
linkInvoiceNumber:
paymentDueDate: 2023-03-23
isPUA: null
isIndirectPayment: null
paymentParty: null
importFactorId: null
importFactorName: null
insuranceCoId: null
insuranceCoName: null
paymentMode: null
reconPmtAmount: 0
reconPmtAmountCcy: null
varianceAmount: null
linkedInvoiceList: null
currentStageCode: null
currentStageName: null
invoiceOffer: null
shipmentCity: null
shipmentZipCode: null
shipmentPhoneNumber: null
shipmentTaxId: null
financeStatus: null
```

```

invoiceOfferList: null
feedSerialNo: null
expiresOn: null
fundingReqDate: null
newFundingReqDate: null
oldExpiryDate: null
bunchIdentifier: null
discountType: null
invoiceOfferTenorParameterList: null
invoiceValueDate: null
discount1Days: null
discount2Days: null
discount1Perc: null
discount2Perc: null
paymentCondition: null
exportFactorId: null
validateForOverdue: null
isOverdueReceivable: null
shipSeqNo: 1
finSeqNo: 1
paySeqNo: 1
channel: HOST
isNettingFlag: null
tmDrCrNoteLinkInvoiceList: []
corporateId: 000380
}}, from=INVOICE, userId=AUTOUSER20}

```

**Response:**

```

{"messages": {
  "keyId": null,
  "status": "SUCCESS",
  "codes": [],
  "requestId": null,
  "httpStatusCode": "OK",
  "overrideAuthLevelsReqd": null
}
}

```

**CashflowTxnRead**

This API enables the user to provide accurate forecasts of guaranteed cashflows.

SERVICE-CONSUMER = "OBSCFCM\_OBCM"

SERVICE-CONSUMER-SERVICE= "CashflowTxnRead"

**Request**

```

{branchCode=004, externalTransactionRefNo=INV1312225, partyId=000381,
userId=ARABINDA}

```

**Response:**

```
{
  "cashflowResponseDetails" : {
    "externalTransactionRefNo" : "INFRF001",
    "cashflowType": "",
    "currency": "",
    "amount":1000,
    "amount":1000,
    "partyId":"000381",
    "expecDate":,
    "actualDate":,
    "cashFlowCode":,
    "cashflowDescription": "",
    "narration": "",
    "customerRefNo":"000381",
    "reconStatus": "",
    "counterpartyId":"000381",
    "counterpartyName":"CUST 1",
    "bankAccountNumber":"1001",
    "virtualAcctNo":"1001"
  }
}
```

## 6.5 Consumer Services - Oracle Banking Virtual Account Management

This topic describes about the consumer services required for Oracle Banking Virtual Account Management Implementation.

The below endpoints must be configured under Consumer Services in Oracle Banking Routing Hub:

- VirtualAccDetails
- PostAllocation
- ReverseAllocation
- VirtualAccPost
- CorporateDetails
- AccountProduct

**Figure 6-5 Consumer Services - Virtual Account Management**

Service Consumers		
OBSCFCM_OBVAM		
Service Providers <b>Consumer Services</b>		
<div> <div>Add</div> <div>Import</div> <div>Search</div> </div>		
Actions	Name	Description
⋮	AccountProduct	Get virtual account transaction code
⋮	PostAllocation	Allocation with Skip DDA
⋮	VirtualAccPost	Virtual Account Post API
⋮	CorporateDetails	Used to query Corporate Details
⋮	ReverseAllocation	Reverse Allocation
⋮	VirtualAccDetails	Query to fetch Virtual Account Details
<div> <div>Page 1</div> <div>of 1 ( 1 - 6 of 6 items)</div> <div> <div> &lt;</div> <div>◀</div> <div>1</div> <div>▶</div> <div>&gt; </div> </div> </div>		

### VirtualAccDetails

This API enables the user to fetch the virtual account details.

SERVICE-CONSUMER = "OBSCFCM\_OBVAM"

SERVICE-CONSUMER-SERVICE= "VirtualAccDetails"

#### Request:

```
{
  "serviceConsumerServiceName": "VirtualAccDetails",
  "body": {
    "branchCode": "006",
    "offset": 0,
    "limit": 0,
    "virtualAccountNo": "1000216",
    "realCustomerNo": "000462",
    "virtualEntityId": "",
    "realAccountNo": "",
    "virtualAccountName": ""
  },
  "serviceConsumerName": "OBSCFCM_OBVAM"
}
```

#### Response:

```
{
  "headers": {},
  "body": {
    "data": {
      "data": [
        {
          "branchCode": "HEL",

```

```

        "virtualEntityId": "SDCVE02",
        "virtualEntityName": "SDCVE02",
        "realCustomerNo": "000462",
        "defaultAccCcy": "GBP",
        "virtualAccProduct": "DEF1",
        "virtualAccountNo": "1000216",
        "ibanRequired": "N",
        "ibanAccNo": null,
        "realAccountNo": null,
        "virtualAccountName": "nehdemovaApril7",
        "addressLine1": null,
        "addressLine2": null,
        "addressLine3": null,
        "addressLine4": null,
        "pincode": null,
        "countryCode": null,
        "accountPurpose": null,
        "interestCalcReq": "N",
        "accountFrozen": "N",
        "balChkForDebits": "N",
        "balAvailabilityOptions": "O",
        "fixedAmtFromPool": null,
        "overdraftAllowed": "N",
        "fixedAmount": null,
        "creditTxnsAllowed": "N",
        "debitTxnsAllowed": "N",
        "status": "A",
        "realAccLinkage": "S",
        "realAccountCcy": null,
        "realAccountBrn": null,
        "accOpenDate": "2020-06-02",
        "accClosureDate": null,
        "lastActivityDate": null,
        "makerId": null,
        "makerDateStamp": null,
        "checkerId": null,
        "checkerDateStamp": null,
        "modNo": null,
        "resourceId": null,
        "unauthModNos": null,
        "recordStatus": "O",
        "authStatus": null,
        "onceAuth": null,
        "doerRemarks": null,
        "approverRemarks": null,
        "odStartDate": null,
        "odEndDate": null,
        "branchName": "HEL FC UNIVERSAL BANK",
        "structureCode": null,
        "virtualParentAcc": null,
        "sanctionChkStatus": "Success",
        "accLiqdAllowed": "N",
        "StructuredAddressServiceDTO": null
    },
    "paging": {

```

```

        "totalResults": 1,
        "links": {
            "next": null,
            "prev": null
        }
    },
    "messages": {
        "keyId": null,
        "status": "SUCCESS",
        "codes": [],
        "requestId": null,
        "httpStatusCode": "OK",
        "overrideAuthLevelsReqd": null
    }
}

```

### PostAllocation

This API enables the user to post the allocation details to Virtual Account Management with Skip DDA

SERVICE-CONSUMER = "OBSCFCM\_OBVAM"

SERVICE-CONSUMER-SERVICE= "PostAllocation"

### Request

```

{
    "serviceConsumerServiceName": "PostAllocation",
    "body": {
        "branchCode": "HEL",
        "sourceCode": "OBDX",
        "requestList": [
            {
                "drCrInd": "C",
                "txnAccount": "1000216",
                "txnAccountBrn": "HEL",
                "txnCcy": "USD",
                "txnAccountCcy": "GBP",
                "txnAmount": 100,
                "txnCode": null,
                "valueDate": "2022-10-05",
                "exchRate": null,
                "reconRefNo": null,
                "addlText": "PymtABZNov2823",
                "ecaOrBlockRefNo": null,
                "ddaOffset": null,
                "skipDDAEntries": "Y",
                "forceDebit": null,
                "blkReleaseStatus": null,
                "reconType": "M",
                "vamBranchDate": "2022-09-12",
                "treatAsAuto": "N",
                "paymentInformation": {
                    "autoReconcile": null,

```

```
"bankCode": null,  
"beneficiaryCode": null,  
"beneficiaryId": null,  
"beneficiaryName": null,  
"counterpartyId": null,  
"counterpartyName": null,  
"counterpartyCode": null,  
"creditAccNo": null,  
"creditNoteRefNo": null,  
"dcIndicator": null,  
"eftRefNo": null,  
"entityRefNo": null,  
"filler1": null,  
"filler2": null,  
"filler3": null,  
"filler4": null,  
"filler5": null,  
"filler6": null,  
"filler7": null,  
"filler8": null,  
"filler9": null,  
"filler10": null,  
"flag": null,  
"genericAppropriation": null,  
"specificAppropriation": null,  
"indicator": null,  
"instrumentBank": null,  
"instrumentBranch": null,  
"instrumentDate": null,  
"mandateRefNo": null,  
"paymentAmount": null,  
"paymentCurrency": null,  
"paymentDate": null,  
"paymentMode": null,  
"paymentNumber": null,  
"partyPaymentCode": null,  
"paymentPartyId": null,  
"paymentPartyName": null,  
"paymentProcessStatus": null,  
"paymentRefNo": null,  
"paymentStatus": null,  
"programCode": null,  
"remarks": null,  
"remitterAccNo": null,  
"fileName": null,  
"reasonCode": null,  
"lastActionPerformed": null,  
"matchedAmount": null,  
"unmatchedAmount": null,  
"reconTxnStatus": null,  
"isAutoAuth": null,  
"virtualAcFlag": null,  
"paymentBusinessDate": null,  
"counterpartyRole": null,  
"beneficiaryRole": null,  
"paymentPartyRole": null,
```

```

        "errorDesc": null,
        "paymentPartyCategory": null,
        "derivedFlag": null,
        "allocationRequired": null,
        "allocStatus": null,
        "allocatedAmt": null,
        "unallocatedAmt": null,
        "relationshipCode": null,
        "accOwner": null,
        "procBranchCode": null,
        "procBranchDate": null,
        "invoiceNumber": null,
        "amountToMatch": null,
        "transactionRefNo": null,
        "seqNo": null,
        "isPUA": null,
        "isIndirectPayment": null,
        "sourceTxnId": null,
        "reconciledPmtAmt": null,
        "totalAllocatedAmt": null,
        "isRecon": null,
        "excessHandling": null,
        "excessRefundParty": null,
        "excessRefundPartyId": null,
        "excessRefundPaymentMode": null,
        "parentPaymentRefNo": null,
        "parentPaymentNo": null
    }
}
    ],
    "sourceReferenceNo": "004051022REC46903_2"
},
"serviceConsumerName": "OBSCFCM_OBVAM"
}

```

**Response:**

```

{
  "headers": {},
  "body": {
    "data": {
      "transactionData": {
        "links": [],
        "keyId": "1181563494237868032",
        "txnRefNo": "006ZJNL1808901hY",
        "sourceCode": "OBDX",
        "sourceReferenceNo": "004051022REC46903_2",
        "bookingDate": "2018-03-30",
        "initiationDate": "2018-03-30",
        "authStatus": "A",
        "transactionStatus": "A",
        "originalReferenceNo": null,
        "checkerDtStamp": "2018-03-30 11:51:29",
        "checkerId": "OBVAMUSER6",
        "makerDtStamp": "2018-03-30 11:51:29",

```



```

"makerId": "OBVAMUSER6",
"initialMaker": "OBVAMUSER6 30-Mar-18 ",
"initialChecker": "OBVAMUSER6 30-Mar-18 ",
"doerRemarks": null,
"approverRemarks": null,
"transactionDetailsDTOList": [
  {
    "id": "1181563494128816128",
    "txnMasterId": "1181563494237868032",
    "txnRefNo": "006ZJNL1808901hY",
    "entrySerialNo": 1,
    "drCrInd": "C",
    "txnAccount": "1000216",
    "txnAccountBrn": "HEL",
    "txnCcy": "USD",
    "txnAmount": 100,
    "txnCode": "000",
    "valueDate": "2018-03-30",
    "virtualIdentifier": null,
    "txnAccountCcy": "GBP",
    "amtInTxnAccCcy": 25,
    "amtInDdaLcy": null,
    "excRateDdaLcy": null,
    "exchRate": 4,
    "realAccCcy": null,
    "amtInRealAccCcy": null,
    "realAccClass": null,
    "excRateTxccyRaccy": null,
    "reconRefNo": null,
    "addlText": null,
    "reportingInfo": null,
    "accountType": "A",
    "realAccountNo": null,
    "realAccountBrn": null,
    "ecaOrBlockRefNo": null,
    "ddaOffset": null,
    "forceDebit": "N",
    "skipDDAEntries": "Y",
    "blkReleaseStatus": "F",
    "realCustomerNo": "000462",
    "restrictionId": null,
    "txnBlockReleaseAmt": 0
  }
],
},
"messages": {
  "keyId": "1181563494237868032",
  "status": "SUCCESS",
  "codes": [
    {
      "args": null,
      "arg": null,
      "information": true,
      "override": false,
      "error": false,
      "overrideAuthLevelsReqd": null,
    }
  ]
}

```

```

        "code": "VAT-JNOL-017",
        "desc": "Transaction successfully authorized",
        "language": "ENG",
        "type": "I"
    },
    ],
    "requestId": null,
    "httpStatusCode": null,
    "overrideAuthLevelsReqd": null
}
},
"messages": {
    "keyId": null,
    "status": "SUCCESS",
    "codes": [],
    "requestId": null,
    "httpStatusCode": "OK",
    "overrideAuthLevelsReqd": null
}
}
}
}

```

### ReverseAllocation

This API enables the user to fetch the outstanding loan amount.

SERVICE-CONSUMER = "OBSCFCM\_OBVAM"

SERVICE-CONSUMER-SERVICE= "ReverseAllocation"

#### Request:

```

{
  "serviceConsumerServiceName": "ReverseAllocation",
  "body": {
    "branchCode": "000",
    "sourceCode": "EXTSYS",
    "txnRefNo": "000ZJNL2033606NG",
    "action": "reverse"
  },
  "serviceConsumerName": "OBSCFCM_OBVAM"
}

```

#### Response:

```

{
  "headers": {},
  "body": {
    "data": {
      "data": {
        "links": [],
        "revTxnRefNo": "000ZRNL2033603Nj"
      },
      "messages": {
        "keyId": "b83cb05d-9d1d-4420-bb1c-d0f77fc08a6a",
        "status": "SUCCESS",

```

```

        "codes": [
            {
                "args": null,
                "arg": null,
                "information": true,
                "override": false,
                "error": false,
                "overrideAuthLevelsReqd": null,
                "desc": "Transaction successfully reversed",
                "code": "VAT-JNOL-022",
                "language": "ENG",
                "type": "I"
            }
        ],
        "requestId": null,
        "httpStatusCode": "OK",
        "overrideAuthLevelsReqd": null
    }
},
"messages": {
    "keyId": null,
    "status": "SUCCESS",
    "codes": [],
    "requestId": null,
    "httpStatusCode": "OK",
    "overrideAuthLevelsReqd": null
}
}
}

```

### VirtualAccPost

This API enables the user to get the virtual account transaction code.

SERVICE-CONSUMER = "OBSCFCM\_OBVAM"

SERVICE-CONSUMER-SERVICE= "VirtualAccPost"

### Request:

```

{
    "serviceConsumerServiceName": "VirtualAccPost ",
    "body": {
        "sourceCode" : "",
        "vatRequestDetServiceDTO" : [ {
            "reconRefNo" : "",
            "txnAccountBrn" : "",
            "blkReleaseStatus" : "",
            "forceDebit" : "N",
            "amtInTxnAccCcy" : "",
            "addlText" : "",
            "exchRate" : "",
            "ecaOrBlockRefNo" : "",
            "txnAccount" : "",
            "valueDate" : "",
            "txnAccountCcy" : "",
            "txnCcy" : "",

```

```

        "txnCode" : "",
        "ddaOffset" : "",
        "drCrInd" : "",
        "txnAmount" : ""
    } ],
    "sourceReferenceNo" : ""
},
    "serviceConsumerName": "OBSCFCM_OBVAM"
}

```

**Response:**

```

{
    "txnRefNo": "",
    "sourceReferenceNo": "",
    "transactionStatus": ""
}

```

**CorporateDetails**

This API enables the user to fetch corporate details for the given Virtual Account Number.

SERVICE-CONSUMER = "OBSCFCM\_OBVAM"

SERVICE-CONSUMER-SERVICE= "CorporateDetails"

**Request:**

```

{
    "serviceConsumerServiceName": "CorporateDetails ",
    "body": {
        "branchCode": "006",
        "offset": 0,
        "limit": 0,
        "virtualAccountNo": "1000216"
    },
    "serviceConsumerName": "OBSCFCM_OBVAM"
}

```

**Response:**

```

{
    "headers": {},
    "body": {
        "data": {
            "data": [
                {
                    "branchCode": "HEL",
                    "virtualEntityId": "SDCVE02",
                    "virtualEntityName": "SDCVE02",
                    "realCustomerNo": "000462",
                    "defaultAccCcy": "GBP",
                    "virtualAccProduct": "DEF1",
                    "virtualAccountNo": "1000216",
                    "ibanRequired": "N",

```

```

        "ibanAccNo": null,
        "realAccountNo": null,
        "virtualAccountName": "nehdemovaApril7",
        "addressLine1": null,
        "addressLine2": null,
        "addressLine3": null,
        "addressLine4": null,
        "pincode": null,
        "countryCode": null,
        "accountPurpose": null,
        "interestCalcReq": "N",
        "accountFrozen": "N",
        "balChkForDebits": "N",
        "balAvailabilityOptions": "O",
        "fixedAmtFromPool": null,
        "overdraftAllowed": "N",
        "fixedAmount": null,
        "creditTxnsAllowed": "N",
        "debitTxnsAllowed": "N",
        "status": "A",
        "realAccLinkage": "S",
        "realAccountCcy": null,
        "realAccountBrn": null,
        "accOpenDate": "2020-06-02",
        "accClosureDate": null,
        "lastActivityDate": null,
        "makerId": null,
        "makerDateStamp": null,
        "checkerId": null,
        "checkerDateStamp": null,
        "modNo": null,
        "resourceId": null,
        "unauthModNos": null,
        "recordStatus": "O",
        "authStatus": null,
        "onceAuth": null,
        "doerRemarks": null,
        "approverRemarks": null,
        "odStartDate": null,
        "odEndDate": null,
        "branchName": "HEL FC UNIVERSAL BANK",
        "structureCode": null,
        "virtualParentAcc": null,
        "sanctionChkStatus": "Success",
        "accLiqdAllowed": "N",
        "StructuredAddressServiceDTO": null
    },
    "paging": {
        "totalResults": 1,
        "links": {
            "next": null,
            "prev": null
        }
    }
},

```

```

        "messages": {
            "keyId": null,
            "status": "SUCCESS",
            "codes": [],
            "requestId": null,
            "httpStatusCode": "OK",
            "overrideAuthLevelsReqd": null
        }
    }
}

```

### AccountProduct

This API enables the user to fetch Virtual Account Transaction Codes.

SERVICE-CONSUMER = "OBSCFCM\_OBVAM"

SERVICE-CONSUMER-SERVICE= "AccountProduct"

#### Request:

```

{
    "serviceConsumerServiceName": "AccountProduct ",
    "body": {
        "offset": 0,
        "limit": 0
    },
    "serviceConsumerName": "OBSCFCM_OBVAM"
}

```

#### Response:

```

{
    trnCode: ""
}

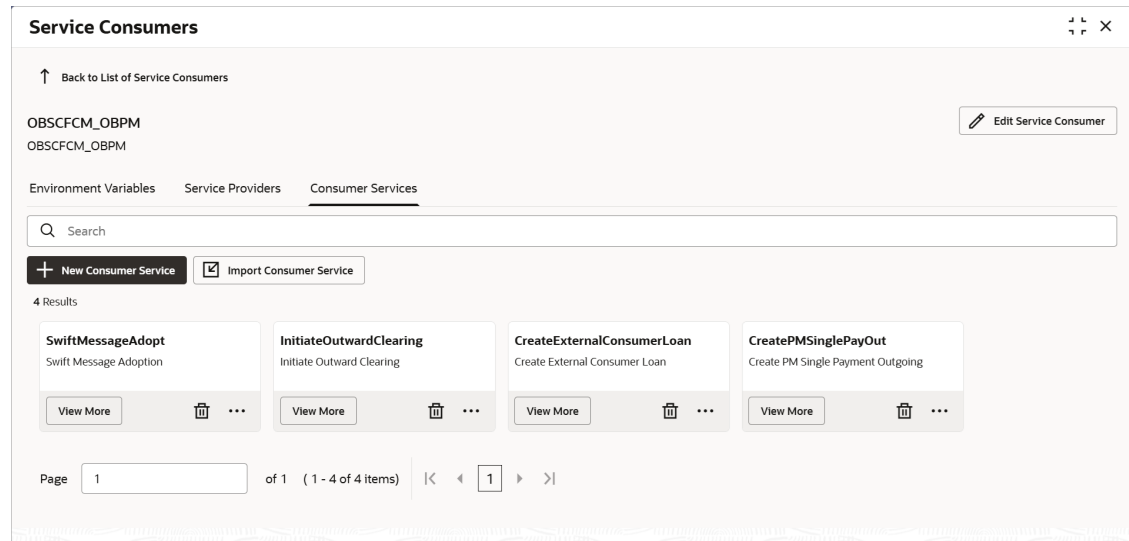
```

## 6.6 Consumer Services - Oracle Banking Payments

This topic describes about the consumer services required for Oracle Banking Payments Implementation.

The below endpoints must be configured under Consumer Services in Oracle Banking Routing Hub:

- CreatePMSinglePayOut
- CreateExternalConsumerLoan
- SwiftMessageAdopt

**Figure 6-6 Consumer Services - Payments**

### CreatePMSinglePayOut

This API enables the user to get the incoming payment details which is used for Invoice Payment Reconciliation during Auto and Manual reconciliation. This API is called from finance service and instruments.

SERVICE-CONSUMER = "OBSCFCM\_OBPM"

SERVICE-CONSUMER-SERVICE= "CreatePMSinglePayOut"

#### Request:

```
{
  "serviceConsumerServiceName" : "CreatePMSinglePayOut",
  "body" : {
    "externalBankName" : "BANK123123",
    "obpmBranchCode" : "240",
    "seqNo" : 2,
    "programCode" : "RFPRG",
    "processingDate" : "2022-11-02",
    "drAcType" : 10,
    "mmbId" : "IFSC123123",
    "branchCode" : "004",
    "sourceCode" : "EXTSYS",
    "externalBranchName" : "BRANCH123123",
    "financeRefNo" : "004160324PAY20961",
    "userRef" : "2022-11-0217876",
    "beneName" : "RFPDBUYER",
    "accPartyId" : "202295",
    "networkCode" : "NEFT",
    "ccyOfTrf" : "USD",
    "externalAccount" : "123123",
    "hostCode" : "INDIA",
    "drAcNo" : "988623101",
    "sourceRef" : "2022-11-0217876",
    "remittanceInfo" : "004160324PAY20961",
  }
}
```

```
"accountingTransaction" : {  
  "1" : {  
    "seqNo" : 1,  
    "accountingEntryCode" : "EXREFUND_RFND_API",  
    "errorCode" : null,  
    "accRoleCode" : "CR-RFPD",  
    "externalBranchName" : null,  
    "financeRefNo" : null,  
    "exchangeRate" : 1,  
    "accountNo" : "US18979797854",  
    "accPartyType" : "BENEFICIARY",  
    "id" : "1218566755892604928",  
    "accType" : "C",  
    "accEntryDesc" : "EXREFUND_RFND_API",  
    "amountType" : "EXCESS_REFUND_AMOUNT",  
    "externalBankName" : null,  
    "amount" : 200,  
    "errorDesc" : null,  
    "eventSrNo" : 1,  
    "paymentMode" : null,  
    "drCrIndicator" : "D",  
    "ecaRefNo" : null,  
    "accSettMethod" : "CUST_A/C",  
    "amountCcy" : "USD",  
    "eventCode" : "EXCESS_REFUND",  
    "accountCcy" : "USD",  
    "accPartyId" : "202296",  
    "externalAccountCcy" : null,  
    "externalAccount" : null,  
    "accEntrySeq" : 1,  
    "accRoleDesc" : "CR-RFPD",  
    "externalBankId" : null,  
    "amountAccCcy" : 200,  
    "externalBranchCode" : null,  
    "routingCode" : null,  
    "status" : "SUCCESS"  
  },  
  "2" : {  
    "seqNo" : 1,  
    "accountingEntryCode" : "EXREFUND_RFND_API",  
    "errorCode" : null,  
    "accRoleCode" : "CR-RFPD",  
    "externalBranchName" : "BRANCH123123",  
    "financeRefNo" : null,  
    "exchangeRate" : 1,  
    "accountNo" : "988623101",  
    "accPartyType" : "PAYMENT_PARTY",  
    "id" : "1218566755913576448",  
    "accType" : "C",  
    "accEntryDesc" : "EXREFUND_RFND_API",  
    "amountType" : "EXCESS_REFUND_AMOUNT",  
    "externalBankName" : "BANK123123",  
    "amount" : 200,  
    "errorDesc" : null,  
    "eventSrNo" : 1,  
    "paymentMode" : "EFT",
```



```

        "drCrIndicator" : "C",
        "ecaRefNo" : null,
        "accSettMethod" : "NEFT",
        "amountCcy" : "USD",
        "eventCode" : "EXCESS_REFUND",
        "accountCcy" : "USD",
        "accPartyId" : "202295",
        "externalAccountCcy" : "USD",
        "externalAccount" : "123123",
        "accEntrySeq" : 1,
        "accRoleDesc" : "CR-RFPD",
        "externalBankId" : "bankId",
        "amountAccCcy" : 200,
        "externalBranchCode" : null,
        "routingCode" : "IFSC123123",
        "status" : "SUCCESS"
    }
},
"instdAmt" : 200,
"startDate" : "2022-11-02"
},
"serviceConsumerName" : "OBSCFCM_OBPM"
}

```

**Response:**

```

{
  "headers": {},
  "body": {
    "data": {
      "sourceCode": "999",
      "txnRefNo": "999",
      "status": "SUCCESS"
    },
    "messages": {
      "keyId": null,
      "status": "SUCCESS",
      "codes": [],
      "requestId": null,
      "httpStatusCode": "OK",
      "overrideAuthLevelsReqd": null
    }
  }
}

```

**CreateExternalConsumerLoan**

This API enables the user to transfer the finance data to payments. This API is called from finance service and instruments.

SERVICE-CONSUMER = "OBSCFCM\_OBPM"

SERVICE-CONSUMER-SERVICE= "CreateExternalConsumerLoan"

## Request

```
{
  "serviceConsumerServiceName" : "CreateExternalConsumerLoan",
  "body" : {
    "branchCode" : "004",
    "accountStatus" : "A",
    "accountCcy" : "USD",
    "sourAccBrn" : "240",
    "sourceSystem" : "OBSCF",
    "loanAccNum" : "INV0645",
    "custId" : "000380",
    "loanBrn" : "004",
    "hostCode" : "INDIA",
    "sourcCustAcc" : "INV0645",
    "paymentRequest" : {
      "invoiceId" : "202204040000000000000000000000000000000000000000404",
      "amount" : 3026626,
      "totalInvoiceAmount" : 3026626,
      "buyerId" : "000380",
      "buyerName" : "Carrefour",
      "buyerDivCode" : null,
      "buyerDivName" : null,
      "currency" : "USD",
      "invoiceDate" : "2022-04-04",
      "dueDate" : "2022-07-30",
      "invoiceNumber" : "ETVTS/NOV22/0128",
      "repaymentAccNo" : null,
      "refNo" : "INV0645",
      "invAcceptanceDate" : "2022-04-04",
      "status" : "UNPAID",
      "programCode" : null,
      "programName" : null,
      "paymentTerms" : null,
      "supplierId" : "000381",
      "supplierName" : "Danone",
      "supplierDivCode" : null,
      "supplierDivName" : null,
      "relationCode" : "REL701",
      "supplierCode" : null,
      "buyerCode" : null,
      "virtualAcFlag" : null,
      "branchCode" : "004",
      "debtor" : null,
      "debtorName" : null,
      "customerId" : "000380"
    }
  },
  "serviceConsumerName" : "OBSCFCM_OBPM"
}
```

**Response:**

```
{
  "headers": {},
  "body": {
    "data": {
      "sourceCode": "999",
      "loanAccNumber": "10101",
      "status": "SUCCESS"
    },
    "messages": {
      "keyId": null,
      "status": "SUCCESS",
      "codes": [],
      "requestId": null,
      "httpStatusCode": "OK",
      "overrideAuthLevelsReqd": null
    }
  }
}
```

**SwiftMessageAdopt**

When payment mode is selected as Cross Border Transfer, this API will be used for external payment.

SERVICE-CONSUMER = "OBSCFCM\_OBPM"

SERVICE-CONSUMER-SERVICE= "SwiftMessageAdopt"

**Request:**

```
{
  "obpmBranchCode" : "xxx",
  "seqNo" : 1,
  "settlementCcy" : null,
  "paymentParty" : null,
  "financePCT" : 80,
  "minReFinPCT" : null,
  "sourceCode" : "EXTSYS",
  "financeRefNo" : "004300823PR02792",
  "minFinPCT" : null,
  "staleStatus" : "N",
  "programName" : "This is PROGRAM1",
  "id" : "1341360754855919616",
  "interestRefundHandling" : null,
  "productDescription" : "This is PRD1",
  "holidayTreatment" : "NCH",
  "creditAccount" : null,
  "partRepaymentAllowed" : null,
  "interestPaidUpfront" : 0.12,
  "financeAmt" : 80,
  "branchCode" : "004",
  "pmtToPrncplOS" : null,
  "totalInstrumentAmt" : 100,
  "financeAmtCcy" : "USD",
  "valueDtdIntOSAmt" : null,
  "appropPaymentAmt" : null,
}
```

```
"pmtToIntOS" : null,  
"interestRefundAmt" : null,  
"settlementAmtAllocation" : null,  
"startDate" : "2023-08-30",  
"settlementProcessingDate" : null,  
"totalOSAmountSettlementCcy" : null,  
"refund" : null,  
"maxFinanciableAmt" : 80,  
"pmtToPenOnIntOS" : null,  
"errorDescription" : null,  
"settleFinExcRate" : null,  
"appropriationSequence" : null,  
"msgId" : "2023-08-3086045",  
"manualAllocation" : null,  
"interestBearingPartyRole" : "S",  
"tenor" : 9,  
"requestId" : "R3008231135",  
"interestRefundPmtMode" : null,  
"debitAccCcy" : "USD",  
"totalOSAmount" : 80,  
"preferredDisbursementMode" : "CBT",  
"withRecourse" : "Y",  
"stageId" : "ExternalPaymentException",  
"interestOSAmount" : 0,  
"debtorName" : "DanoneTest",  
"buyerName" : "XXXXXXXXXXXXX",  
"transactionFlow" : null,  
"productCode" : "PRD1",  
"pastDueDate" : "2023-09-08",  
"remittanceInfo" : "004300823PR02792",  
"valueDtdOverdueIntOSAmt" : null,  
"supplierDivCode" : null,  
"maxTenorAllowed" : 99,  
"supplierDivName" : null,  
"settlementAmtAllocated" : null,  
"graceDays" : 0,  
"operationCode" : "DISBURSEMENT",  
"errorCode" : null,  
"buyerId" : "000380",  
"debitAccNo" : "988623101",  
"principalOSAmount" : 80,  
"exchangeRate" : 1,  
"maxFinPCT" : 80,  
"isFromRecon" : null,  
"maturityDate" : "2023-09-08",  
"totalSettlementAmt" : null,  
"valueDtdPenIntOSAmt" : null,  
"buyerDivCode" : null,  
"interestAmortized" : null,  
"programCode" : "PROGRAM1",  
"minFinanciableAmt" : null,  
"totalMarginAmount" : null,  
"minTenorAllowed" : 1,  
"accountType" : null,  
"drAcType" : 10,  
"creditReceived" : null,
```

```
"authDateStamp" : "2023-08-30",
"settlementExchangeRate" : null,
"pmtToOverdueIntOS" : null,
"hostCode" : "INDIA",
"sourceRef" : "2023-08-3086045",
"paymentAmt" : null,
"totalOSPostAllocation" : null,
"financeStatus" : null,
"supplierId" : "000381",
"balanceAmtToBeAllocated" : null,
"maxReFinPCT" : null,
"totalInstrumentAmtCcy" : "USD",
"processingDate" : "2023-08-30",
"interestType" : "F",
"clRefNo" : "902DES5232420776",
"settlementMethod" : null,
"authId" : "VIRENDRA123",
"productCategory" : "INV",
"overdueIntOSAmt" : 0,
"debtor" : "000381",
"hostBankAddress1" : null,
"hostBankAddress3" : null,
"hostBankAddress2" : null,
"hostBankAddress4" : null,
"productType" : "S",
"makerId" : "VIRENDRA123",
"supplierName" : "XXXXXXXXXX",
"makerDateStamp" : "2023-08-30",
"penIntOSAmt" : 0,
"valueDate" : null,
"buyerDivName" : null,
"userRef" : "2023-08-3086045",
"accountingTransactionModel": {
  "id" : "1341683593303703552",
  "financeRefNo" : null,
  "refNo" : "004300823PR02792",
  "seqNo" : 1,
  "accountingEntryCode" : "EFT_ENTRY_CODE",
  "drCrIndicator" : "C",
  "amountCcy" : "USD",
  "amount" : 80,
  "amountType" : "FINANCE_AMT",
  "accountCcy" : "USD",
  "amountAccCcy" : 80,
  "accountNo" : "988623101",
  "exchangeRate" : 1,
  "status" : null,
  "errorCode" : null,
  "errorDesc" : null,
  "accRoleCode" : "SUSP_ACC",
  "accPartyType" : "SUPP",
  "accPartyId" : "000381",
  "accSettMethod" : "CBT",
  "accEntrySeq" : 1,
  "accRoleDesc" : "Suspense GL",
  "accEntryDesc" : "EFT Account Entry Code",
```

```

"accType" : "C",
"eventSrNo" : 1,
"ecaRefNo" : null,
"eventCode" : "DISBURSEMENT",
"externalAccount" : "123456",
"paymentMode" : "CBT",
"externalAccountCcy" : "USD",
"externalBankId" : "bankId",
"externalBankName" : "DEUTSCHE BANK",
"externalBranchCode" : null,
"externalBranchName" : null,
"externalBranchRoutingCode" : null,
"stage" : null,
"additionalField1" : null,
"additionalField2" : null,
"additionalField3" : null,
"additionalField4" : null,
"additionalField5" : null,
"additionalField6" : null,
"additionalField7" : null,
"additionalField8" : null,
"additionalField9" : null,
"additionalField10" : null,
"applicationCode" : "OBSCF",
"valueDate" : "2023-08-30",
"processingDate" : "2023-08-30",
"txnBranchCode" : "004",
"productCode" : "PRD1",
"vaFlagYN" : null,
"accountName" : "Account 1",
"bicUltimate" : "CITIHRADXXX",
"addressLine1Ultimate" : "Frankfurt",
"addressLine2Ultimate" : null,
"addressLine3Ultimate" : null,
"addressLine4Ultimate" : "Address4",
"country" : "United States",
"phoneNumber" : null,
"emailId" : "abc@example.com",
"bicIntermediary" : null,
"bankNameIntermediary" : null,
"addressLine1Intermediary" : null,
"addressLine2Intermediary" : null,
"addressLine3Intermediary" : null,
"addressLine4Intermediary" : null,
"creditIntAcntList" : null,
"debitIntAcntList" : null,
"accEntryAttributeList" : null,
"creditInternalAttributeList" : null,
"debitInternalAttributeList" : null,
"creditExternalAttributeList" : null,
"debitExternalAttributeList" : null,
"correspondingDebtAcc" : null
},
"accountingTransactionModelList" : [ {
"id" : "1341683593165291520",
"financeRefNo" : null,

```

```
"refNo" : "004300823PR02792",
"seqNo" : 1,
"accountingEntryCode" : "EFT_ENTRY_CODE",
"drCrIndicator" : "D",
"amountCcy" : "USD",
"amount" : 80,
"amountType" : "FINANCE_AMT",
"accountCcy" : "USD",
"amountAccCcy" : 80,
"accountNo" : "988623101",
"exchangeRate" : 1,
"status" : null,
"errorCode" : null,
"errorDesc" : null,
"accRoleCode" : "BRIDGE_ACC",
"accPartyType" : "BUY",
"accPartyId" : "000380",
"accSettMethod" : "INTERNAL_GL",
"accEntrySeq" : 1,
"accRoleDesc" : "Bridge GL",
"accEntryDesc" : "EFT Account Entry Code",
"accType" : "G",
"eventSrNo" : 1,
"ecaRefNo" : null,
"eventCode" : "DISBURSEMENT",
"externalAccount" : null,
"paymentMode" : null,
"externalAccountCcy" : null,
"externalBankId" : null,
"externalBankName" : null,
"externalBranchCode" : null,
"externalBranchName" : null,
"externalBranchRoutingCode" : null,
"stage" : null,
"additionalField1" : null,
"additionalField2" : null,
"additionalField3" : null,
"additionalField4" : null,
"additionalField5" : null,
"additionalField6" : null,
"additionalField7" : null,
"additionalField8" : null,
"additionalField9" : null,
"additionalField10" : null,
"applicationCode" : "OBSCF",
"valueDate" : "2023-08-30",
"processingDate" : "2023-08-30",
"txnBranchCode" : "004",
"productCode" : "PRD1",
"vaFlagYN" : null,
"accountName" : null,
"bicUltimate" : null,
"addressLine1Ultimate" : null,
"addressLine2Ultimate" : null,
"addressLine3Ultimate" : null,
"addressLine4Ultimate" : null,
```

```

    "country" : null,
    "phoneNumber" : null,
    "emailId" : null,
    "bicIntermediary" : null,
    "bankNameIntermediary" : null,
    "addressLine1Intermediary" : null,
    "addressLine2Intermediary" : null,
    "addressLine3Intermediary" : null,
    "addressLine4Intermediary" : null,
    "creditIntAcntList" : null,
    "debitIntAcntList" : null,
    "accEntryAttributeList" : null,
    "creditInternalAttributeList" : null,
    "debitInternalAttributeList" : null,
    "creditExternalAttributeList" : null,
    "debitExternalAttributeList" : null,
    "correspondingDebtAcc" : null
  },
  {
    "id" : "1341683593303703552",
    "financeRefNo" : null,
    "refNo" : "004300823PR02792",
    "seqNo" : 1,
    "accountingEntryCode" : "EFT_ENTRY_CODE",
    "drCrIndicator" : "C",
    "amountCcy" : "USD",
    "amount" : 80,
    "amountType" : "FINANCE_AMT",
    "accountCcy" : "USD",
    "amountAccCcy" : 80,
    "accountNo" : "988623101",
    "exchangeRate" : 1,
    "status" : null,
    "errorCode" : null,
    "errorDesc" : null,
    "accRoleCode" : "SUSP_ACC",
    "accPartyType" : "SUPP",
    "accPartyId" : "000381",
    "accSettMethod" : "CBT",
    "accEntrySeq" : 1,
    "accRoleDesc" : "Suspense GL",
    "accEntryDesc" : "EFT Account Entry Code",
    "accType" : "C",
    "eventSrNo" : 1,
    "ecaRefNo" : null,
    "eventCode" : "DISBURSEMENT",
    "externalAccount" : "123456",
    "paymentMode" : "CBT",
    "externalAccountCcy" : "USD",
    "externalBankId" : "bankId",
    "externalBankName" : "DEUTSCHE BANK",
    "externalBranchCode" : null,
    "externalBranchName" : null,
    "externalBranchRoutingCode" : null,
    "stage" : null,
    "additionalField1" : null,
    "additionalField2" : null,
  }

```



```

"additionalField3" : null,
"additionalField4" : null,
"additionalField5" : null,
"additionalField6" : null,
"additionalField7" : null,
"additionalField8" : null,
"additionalField9" : null,
"additionalField10" : null,
"applicationCode" : "OBSCF",
"valueDate" : "2023-08-30",
"processingDate" : "2023-08-30",
"txnBranchCode" : "004",
"productCode" : "PRD1",
"vaFlagYN" : null,
"accountName" : "Account 1",
"bicUltimate" : "CITIHRADXXX",
"addressLine1Ultimate" : "Frankfurt",
"addressLine2Ultimate" : null,
"addressLine3Ultimate" : null,
"addressLine4Ultimate" : "Address4",
"country" : "United States",
"phoneNumber" : null,
"emailId" : "abc@example.com",
"bicIntermediary" : null,
"bankNameIntermediary" : null,
"addressLine1Intermediary" : null,
"addressLine2Intermediary" : null,
"addressLine3Intermediary" : null,
"addressLine4Intermediary" : null,
"creditIntAcntList" : null,
"debitIntAcntList" : null,
"accEntryAttributeList" : null,
"creditInternalAttributeList" : null,
"debitInternalAttributeList" : null,
"creditExternalAttributeList" : null,
"debitExternalAttributeList" : null,
"correspondingDebtAcc" : null } ],
"settlementRefNo" : null,
"hostBankBic" : "CITIAEADXXX"
}

```

**Response:**

```

{
  "txnrefno" : "2505101042689000",
  "sourceCode" : "MANL",
  "endtoendid" : "2023-08-3086045",
  "instrid" : "2023-08-3086045",
  "MSGSTATUS" : "SUCCESS",
  "TXNID" : "2505101942689000",
  "txnRefNo" : "2505101042689000",
  "resp" : [ {
    "respCode" : "PM-SAVE-002",
    "respDesc" : "Transaction Processed and Authorized ."
  } ]
}

```

```
} 1
}
```

## 6.7 Consumer Services - FCI Messages

This topic describes about the consumer services required for FCI Messages Implementation.

The below endpoints must be configured under Consumer Services in Oracle Banking Routing Hub:

- MSG01
- MSG09
- MSG12
- MSG14
- FCIMSGSEND
- FCIMSGRETRV

**Figure 6-7 Consumer Services - FCI Messages**

Service Consumers		
OBSCF_FCI_MESSAGES		
Service Providers Consumer Services		
<input type="button" value="Add"/> <input type="button" value="Import"/> <input type="text" value="Search"/>		
Actions	Name	Description
⋮	FCIMSGSEND	Send message to FCI
⋮	MSG09	FCI MSG09
⋮	FCIMSGRETRV	FCI message retrieve
⋮	MSG14	FCI MSG14
⋮	MSG12	FCI MSG12

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### MSG01

This API enables the user to create FCI Message 01 to provide information of a prospective seller to the import factor.

SERVICE-CONSUMER = "OBSCF\_FCI\_MESSAGES"

SERVICE-CONSUMER-SERVICE= "MSG01"

### Request

```
{branchCode=004, fciMessage1DTO=FCIMessage1DTO{importFactorCode='000',
importFactorName='FLEXCUBE-UNIVERSAL-BANK', exportFactorCode='0000',
exportFactorName='FLEXCUBE-UNIVERSAL-BANK', msgDate=Thu Aug 24 00:00:00 IST
2023, factorAgreementDate=null, msgFunction='2', sellerNumber='201930',
sellerName='Future Group', sellerRegNo='FCIMSG11234',
```

```
responsibleAgency='Agency 1', extendedCustomerName='null', street='Riverside
Road', city='Pune', province='Kharadi', state='null', postCode='411014',
country='IND', businessNature='BusinessNature', netPmtTerms=1,
primaryDiscDays=1, primaryDiscPct=10, secondaryDiscDays=2,
secondaryDiscPct=20, graceDays=null, invCcy1='USD', invCcy2='USD',
invCcy3='USD', invCcy4='USD', invCcy5='USD', chargeBackAmt=100,
chargeBackPct=100, chargeBackCcy='USD', expSellerTurnover=null,
expSellerTurnoverCcy='null', expectedTurnover=123, expectedTurnoverCcy='USD',
expectedOtherTurnover=null, expectedOtherTurnoverCcy='null',
expectedOpenAcTurnover=null, expectedOpenAcTurnoverCcy='null',
expectedBuyers=10, expectedInvoices=15, expectedCreditNotes=15,
otherFactors='null', deliveryTerms='10', requiredServices='2',
accountNo='123456', branchName='Branch 1', bankName='Bank 1',
messageText='Sample FCI Message'}}
```

**Response:**

```
{requestXmlMessage=<?xml version='1.0' encoding='iso-8859-9'?>
  <Envelope> <Header> </Header> <Body>
    <MSG01 xmlns="urn:schemas-edifactoring-com:MSG01"> <MsgInfo>
<SenderCode/> <ReceiverCode/>
      <CreatedBy/> <SequenceNr/> <DateTime/> <Status/> </MsgInfo> <EF>
<FactorCode>0000</FactorCode>
      <FactorName>FLEXCUBE-UNIVERSAL-BANK</FactorName> </EF> <IF>
<FactorCode>000</FactorCode>
      <FactorName>FLEXCUBE-UNIVERSAL-BANK</FactorName> </IF>
<MsgDate>1692815400000</MsgDate>
      <MsgFunction>2</MsgFunction> <FactAgreemSigned></FactAgreemSigned>
<Seller>
      <SellerCompanyRegNr>FCIMSG11234</SellerCompanyRegNr>
<ResponsibleAgency>Agency 1</ResponsibleAgency>
      <SellerNr>201930</SellerNr> <SellerName>Future Group</SellerName>
<NameCont></NameCont>
      <Street>Riverside Road</Street> <City>Pune</City> <State></State>
<Postcode>411014</Postcode>
      <Country>IND</Country> </Seller> <SellerDetails>
<BusinessProduct>BusinessNature</BusinessProduct>
      <NetPmtTerms>1</NetPmtTerms> <Discount1Days>1</Discount1Days>
<Discount1Perc>10</Discount1Perc>
      <Discount2Days>2</Discount2Days> <Discount2Perc>20</Discount2Perc>
<GracePeriod></GracePeriod>
      <InvCurrency1>USD</InvCurrency1> <InvCurrency2>USD</InvCurrency2>
<InvCurrency3>USD</InvCurrency3>
      <InvCurrency4>USD</InvCurrency4> <InvCurrency5>USD</InvCurrency5>
<ChargeBackPerc>100</ChargeBackPerc>
      <ChargeBackAmt>100</ChargeBackAmt> <ChargeBackCurrency>USD</
ChargeBackCurrency>
      <ExpTotSellerTurnover></ExpTotSellerTurnover> <ExpNrBuyers>10</
ExpNrBuyers>
      <ExpNrInvoices>15</ExpNrInvoices> <ExpNrCreditNotes>15</
ExpNrCreditNotes>
      <ExpTurnover>USD123</ExpTurnover> <ExpOtherTurnover></ExpOtherTurnover>
      <OtherFactors></OtherFactors> <ServiceRequired>2</ServiceRequired>
      <NormDeliveryTerms>10</NormDeliveryTerms> </SellerDetails>
<BankDetailsSeller>
```

```

        <AccountNr>123456</AccountNr> <BankName>Bank 1</BankName>
<BranchName>Branch 1</BranchName>
        </BankDetailsSeller> <MsgText>Sample FCI Message</MsgText> </MSG01> </
Body> </Envelope>,
        messageType=MSG01}

```

## MSG09

This API enables the user to create FCI Message 09 post assignment of invoice.

SERVICE-CONSUMER = "OBSCF\_FCI\_MESSAGES"

SERVICE-CONSUMER-SERVICE= "MSG09"

### Request

```

{branchCode=004, fciMessage9DTO=FCIMessage9DTO [sellerNumber=000381,
sellerName=Danone, buyerNumber=000380, buyerName=Carrefour,
exportFactorCode=, exportFactorName=, importFactorCode=, importFactorName=,
invoiceBatchNr=004030223INV703, invoiceBatchDate=Mon May 30 00:00:00 GMT
2022, invoiceBatchCcy=USD, totalAmountInvoices=100000,
totalAmountCreditNotes=0, docType=0, totalNumberOfInvoices=1,
totalNumberOfCreditNotes=0, invoiceDetailsList=[FCIMessage9InvoiceDetailsDTO
[docNumber=INVMON0201, docDate=Mon May 30 00:00:00 GMT 2022,
docAmount=100000, docDueDate=Tue Aug 09 00:00:00 GMT 2022, docValueDate=null,
netPmtTerms=null, discount1Days=0, discount2Days=0, discount1Perc=0,
discount2Perc=0, pmtCondition=0, orderRefNo=, invoiceRefNo=INVMON0201,
messageText=]]]}

```

### Response:

```

{requestXmlMessage=<?xml version='1.0' encoding='iso-8859-9'?> <Envelope>
<Header> <Date></Date> </Header> <Body> <MSG09 xmlns="urn:schemas-
edifactoring-com:MSG09"> <MsgInfo> <SenderCode></SenderCode> <ReceiverCode></
ReceiverCode> <CreatedBy>devtest</CreatedBy> <SequenceNr></SequenceNr>
<DateTime></DateTime> <Status></Status> <Error></Error> </MsgInfo> <EF>
<FactorCode></FactorCode> <FactorName></FactorName> </EF> <IF> <FactorCode></
FactorCode> <FactorName></FactorName> </IF> <InvBatchNr>004030223INV703</
InvBatchNr> <InvBatchDate>1653868800000</InvBatchDate> <InvBatchCurrency>USD</
InvBatchCurrency> <TotAmtInvoices>100000</TotAmtInvoices>
<TotAmtCreditNotes>0</TotAmtCreditNotes> <Seller> <SellerNr>000381</SellerNr>
<SellerName>Danone</SellerName> </Seller> <InvCreditNoteDetails>
<BuyerNr>000380</BuyerNr> <BuyerName>Carrefour</BuyerName> <DocType>0</
DocType> <DocNr>INVMON0201</DocNr> <DocDate>1653868800000</DocDate>
<DocAmt>100000</DocAmt> <DocDueDate>1660003200000</DocDueDate>
<DocValueDate></DocValueDate> <NetPmtTerms></NetPmtTerms> <Discount1Days>0</
Discount1Days> <Discount1Perc>0</Discount1Perc> <Discount2Days>0</
Discount2Days> <Discount2Perc>0</Discount2Perc> <PmtCondition>0</
PmtCondition> <OrderNrRef></OrderNrRef> <InvRefNr>INVMON0201</InvRefNr> </
InvCreditNoteDetails> <ControlTot> <TotNrInvoices>1</TotNrInvoices>
<TotNrCreditNotes>0</TotNrCreditNotes> </ControlTot> <MsgText></MsgText> </
MSG09> </Body> </Envelope>, messageType=MSG09}

```

## MSG12

This API enables the user to create a FCI Message 12 post receiving an indirect payment.

SERVICE-CONSUMER = "OBSCF\_FCI\_MESSAGES"

SERVICE-CONSUMER-SERVICE= "MSG12"

### Request

```
{branchCode=004,
  fciMessage12DTO=FCIMessage12DTO[sellerNumber=202298,
sellerName=FERRARI,
  exportFactorCode=CN88022, exportFactorName=,
importFactorCode=TW99011, importFactorName=,
  pmtBatchNr=PAYQATESTI3_1, pmtBatchDate=, pmtBatchCurrency=,

paymentDetailsList=[FCIMessage12PaymentDetailsDTO[buyerNumber=000381buyerName=
Danone,
  docPaid=1, invCreditNoteNr=TESTI3, invCreditNoteDate=2022-09-26,
invCreditNoteAmt=10000,
  pmtAmt=2900, bankChargeAmt=10, deducAmt=5, pmtType=1,
pmtDate=2022-09-26,
  pmtValueDate=2022-09-26]],

controlDetailsList=[FCIMessage12ControlTotalDetailsDTO[totAmtPaid=2900totAmtBa
nkChargeDeduc=15,
  totAmtCleared=2915]], messageText=remarks]}
```

### Response:

```
{requestXmlMessage=<?xml version='1.0'
  encoding='iso-8859-9'?> <Envelope> <Header> </Header> <Body> <MSG12
  xmlns="urn:schemas-edifactoring-com:MSG12"> <MsgInfo> <SenderCode/>
<ReceiverCode/> <CreatedBy/>
  </MsgInfo> <EF> <FactorCode>CN88022</FactorCode> </EF> <IF>
<FactorCode>TW99011</FactorCode> </IF>
  <MsgDate>2023-11-22 12:13:57</MsgDate> <PmtBatchNr>PAYQATESTI3_1</
PmtBatchNr>
  <PmtBatchDate></PmtBatchDate> <PmtBatchCurrency></PmtBatchCurrency>
<Seller>
  <SellerNr>202298</SellerNr> <SellerName>FERRARI</SellerName> </
Seller> <Buyer> <BuyerNr>000381</BuyerNr>
  <BuyerName>Danone</BuyerName> </Buyer> <PmtDetails> <DocPaid>1</
DocPaid>
  <InvCreditNoteNr>TESTI3</InvCreditNoteNr>
<InvCreditNoteDate>2022-09-26</InvCreditNoteDate>
  <InvCreditNoteAmt>10000</InvCreditNoteAmt> <PmtAmt>2900</PmtAmt>
<BankChargeAmt>10</BankChargeAmt>
  <DeducAmt>5</DeducAmt> <PmtType>1</PmtType> <PmtValueDate>2022-09-26</
PmtValueDate> </PmtDetails>
  <ControlTot> <TotAmtPaid>2900</TotAmtPaid> <TotAmtBankChargeDeduc>15</
TotAmtBankChargeDeduc>
  <TotAmtCleared>2915</TotAmtCleared> <MessageText>remarks</
MessageText> </ControlTot> </MSG12> </Body>
  </Envelope>, messageType=MSG12}
```

### MSG14

This API enables the user to create a FCI Message 14 post raising a dispute.

SERVICE-CONSUMER = "OBSCF\_FCI\_MESSAGES"

SERVICE-CONSUMER-SERVICE= "MSG14"

### Request

```
{branchCode=004,
  fciMessage14DTO=FCIMessage14DTO[sellerNumber=202298,
sellerName=FERRARI, buyerNumber=000381,
  buyerName=Danone, exportFactorCode=CN88022, exportFactorName=,
importFactorCode=TW99011,
  importFactorName=, disputeBatchNr=INV8887,
disputeBatchDate=2022-09-26, disputeBatchCcy=USD,
  totalAmountInvoices=10000, totalAmountCreditNotes=0, docType=1,
totalNumberOfInvoices=1,
  totalNumberOfCreditNotes=0,

disputeDetailsList=[FCIMessage14DisputeDetailsDTO[disputeNumber=004221123INV81
43docNumber=TESTI6,
  docDate=2022-09-26, docAmount=10000, disputeReason=12,
disputeReasonText=Raise dispute,
  notifyingParty=000381, disputeAction=3, disputedAmount=100]]]}
```

### Response:

```
{requestXmlMessage=<?xml version='1.0'
  encoding='iso-8859-9'?> <Envelope> <Header> </Header> <Body> <MSG14>
<MsgInfo> <SenderCode></SenderCode>
  <ReceiverCode></ReceiverCode> <CreatedBy></CreatedBy> </MsgInfo> <EF>
  <FactorCode>CN88022</FactorCode> <FactorName></FactorName> </EF> <IF>
<FactorCode>TW99011</FactorCode>
  <FactorName></FactorName> </IF> <InvBatchNr>INV8887</InvBatchNr>
  <InvBatchDate>2022-09-26</InvBatchDate> <InvBatchCurrency>USD</
InvBatchCurrency>
  <TotAmtInvoices>10000</TotAmtInvoices> <TotAmtCreditNotes>0</
TotAmtCreditNotes> <Seller>
  <SellerNr>202298</SellerNr> <SellerName>FERRARI</SellerName> </
Seller> <Buyer> <BuyerNr>000381</BuyerNr>
  <BuyerName>Danone</BuyerName> </Buyer> <DocType>1</DocType>
<DisputeDetails> <DocNr>TESTI6</DocNr>
  <DocDate>2022-09-26</DocDate> <DocAmt>10000</DocAmt> <DisputeAmt>100</
DisputeAmt>
  <DisputeNumber>004221123INV8143</DisputeNumber> <DisputeReason>12</
DisputeReason>
  <NotifyingParty>000381</NotifyingParty> <DisputeReasonText>Raise
dispute</DisputeReasonText>
  <Action>3</Action> </DisputeDetails> </MSG14> </Body> </Envelope>,
  messageType=MSG14}
```

### FCIMSGSEND

This API enables the user to send messages to FCI.

SERVICE-CONSUMER = "OBSCF\_FCI\_MESSAGES"

SERVICE-CONSUMER-SERVICE= "FCIMSGSEND"

**Request:**

```
{
  "serviceConsumerServiceName": "FCIMSGSEND",
  "body": "XML FCI message",
  <Body> xml message </body>
  "serviceConsumerName": "OBSCF_FCI_MESSAGES"
}
```

**Sample XML Message MSG09**

```
{
  "serviceConsumerServiceName": "FCIMSGSEND",
  "body": "<?xml version='1.0' encoding='iso-8859-9'?><Envelope>
<Header>    </Header>
<Body><MSG09><MsgInfo><SenderCode>CN88022</SenderCode><ReceiverCode>TW99011</
ReceiverCode><CreatedBy>devtest</CreatedBy></MsgInfo><EF><FactorCode>CN88022</
FactorCode>
<FactorName></FactorName></EF><IF><FactorCode>TW99011</
FactorCode><FactorName></FactorName></IF><InvBatchNr>INV16928</
InvBatchNr><InvBatchDate>2022-11-02</InvBatchDate>
<InvBatchCurrency>USD</InvBatchCurrency><TotAmtInvoices>8000</TotAmtInvoices>
<TotAmtCreditNotes>0</TotAmtCreditNotes><Seller><SellerNr>202298</SellerNr>
<SellerName>FERRARI</SellerName></
Seller><InvCreditNoteDetails><BuyerNr>000381</BuyerNr><BuyerName>Bank</
BuyerName><DocType>1</DocType><DocNr>INV-Out-MSG09-009</DocNr>
<DocDate>2022-11-02</DocDate><DocAmt>8000</DocAmt><DocDueDate>2022-12-02</
DocDueDate><Discount1Days>0</Discount1Days><Discount1Perc>0</Discount1Perc>
<Discount2Days>0</Discount2Days><Discount2Perc>0</Discount2Perc><InvRefNr>INV-
Out-MSG09-009</InvRefNr></InvCreditNoteDetails><ControlTot><TotNrInvoices>1</
TotNrInvoices>
<TotNrCreditNotes>0</TotNrCreditNotes></ControlTot><MsgText>Remarks</
MsgText></MSG09>
</Body></Envelope>",
  "serviceConsumerName": "OBSCF_FCI_MESSAGES"
}
```

**Response:**

```
{messageType=FCI_MSG_SEND, fciResponse={Errors={Messages=1, Count=0}}}
```

**FCIMSGRETRV**

This API enables the user to retrieve the FCI message and process them.

SERVICE-CONSUMER = "OBSCF\_FCI\_MESSAGES"

SERVICE-CONSUMER-SERVICE= "FCIMSGRETRV"

**Request:**

```
{
  "serviceConsumerServiceName": "FCIMSGRETRV",
  "body": {},
  "serviceConsumerName": "OBSCF_FCI_MESSAGES"
}
```

**Response:**

```
{
  "headers": {}, "body": {
    "data": "FCI XML MESSAGE",
    "messages": {
      "keyId": null, "status": "SUCCESS",
      "codes": [], "requestId": null, "httpStatusCode": "OK",
      "overrideAuthLevelsReqd": null}
    }
  }
}
```

**Sample XML Message MSG14**

```
"headers": {},
"body": {
  "data": "<?xml version=\"1.0\" encoding=\"UTF-8\" standalone=\"yes\"?>
  <Envelope>
    <Header>
      <MsgDate>2022-11-02T17:20:57</MsgDate>
    </Header>
    <Body>
      <MSG14>
        <MsgInfo>
          <SenderCode>CN88022</SenderCode>
          <ReceiverCode>TW99011</ReceiverCode>
          <CreatedBy>FactorCenter</CreatedBy>
        </MsgInfo>
        <EF>
          <FactorCode>TW99011</FactorCode>
        </EF>
        <IF>
          <FactorCode>CN88022</FactorCode>
        </IF>
        <MsgDate>2022-11-02</MsgDate>
        <DisputeNr>441015</DisputeNr>
        <DateOriginDispute>2022-11-02</DateOriginDispute>
        <DisputeCurrency>USD</DisputeCurrency>
        <Seller>
          <SellerNr>202299</SellerNr>
          <SellerName></SellerName>
        </Seller>
        <Buyer>
          <BuyerNr>202298</BuyerNr>
          <BuyerName></BuyerName>
        </Buyer>
        <DisputeDetails>
          <DocType>1</DocType>
          <DocNr>InvoiceRefNoMSG14Inward</DocNr>
          <DocDate>2022-11-02</DocDate>
          <DocAmt>990.00</DocAmt>
          <DisputeAmt>800.00</DisputeAmt>
          <DisputeReason>10</DisputeReason>
          <NotifyingParty>BY04620</NotifyingParty>
          <Action>1</Action>
        </DisputeDetails>
        <DisputeReasonText>
          <DisputeReasonText>
            <ActionText></ActionText>
          </DisputeReasonText>
        </DisputeReasonText>
      </MSG14>
    </Body>
  </Envelope>
  "messages": {
    "keyId": null,
    "status": "SUCCESS",
    "codes": [],
    "requestId": null,
    "httpStatusCode": "OK",
    "overrideAuthLevelsReqd": null
  }
}
```

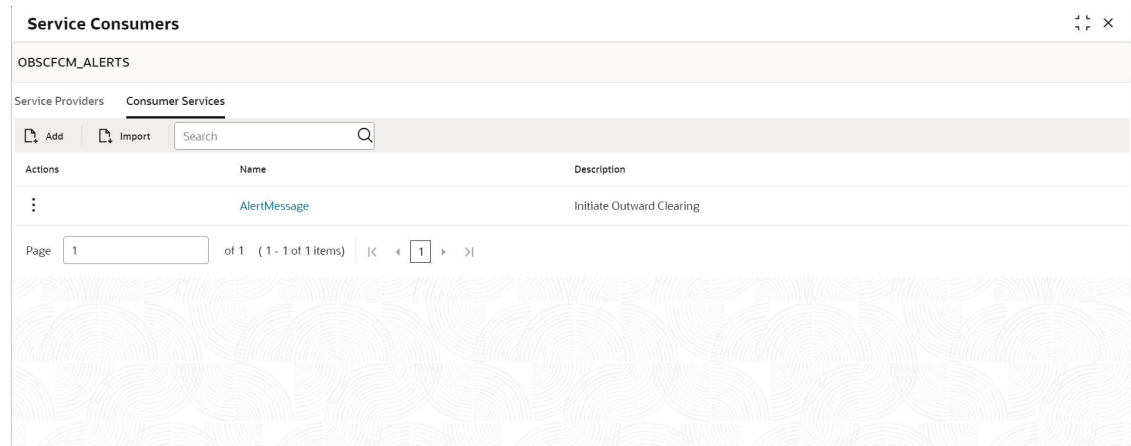
## 6.8 Consumer Services - Alerts

This topic describes about the consumer services required for Alerts Implementation.

The below endpoints must be configured under Consumer Services in Oracle Banking Routing Hub:

- AlertMessage



**Figure 6-8 Consumer Services - Alerts****AlertMessage**

This API enables the user to integrate with 3<sup>rd</sup> party alerts system.

SERVICE-CONSUMER = "OBSCFCM\_Alerts"

SERVICE-CONSUMER-SERVICE= "AlertMessage"

**Request:**

```
{
  "serviceConsumerServiceName" : "AlertMessage",
  "body" : {
    "functionalIdentifier" : "1211560256888782848",
    "alertName" : "PO raise",
    "users" : [ {
      "userId" : "PO1102",
      "channels" : [ {
        "key" : "firstname.lastname@example.com",
        "mode" : "MAIL",
        "shortMessage" : "PO raise",
        "message" : "Dear Customer, Purchase Order with Ref Number $
{EXTERNAL_PO_NUMBER}, Purchase Order Amount ${CURRENCY} ${AMOUNT} is raised
on ${PO_DATE}",
        "parameters" : [ {
          "key" : "EXTERNAL_PO_NUMBER",
          "value" : "TP"
        }, {
          "key" : "PO_MODIFICATION_DATE",
          "value" : ""
        }, {
          "key" : "PO_CANCELLATION_DATE",
          "value" : ""
        }, {
          "key" : "CURRENCY",
          "value" : "GBP"
        }, {
          "key" : "AMOUNT",
          "value" : "100"
        }
      ]
    }
  ]
}
```

```

    }, {
      "key" : "PO_DATE",
      "value" : "2023-08-23"
    }, {
      "key" : "ALERT_CODE",
      "value" : "PORAISE"
    }, {
      "key" : "ALERT_CODE",
      "value" : "PORAISE"
    } ],
    "documents" : [ ]
  } ]
}, {
  "userId" : "additionalUserfirstname.lastname@example.com",
  "channels" : [ {
    "key" : "firstname.lastname@example.com",
    "mode" : "MAIL",
    "shortMessage" : "PO raise",
    "message" : "Dear Customer, Purchase Order with Ref Number $
{EXTERNAL_PO_NUMBER}, Purchase Order Amount ${CURRENCY} ${AMOUNT} is raised
on ${PO_DATE}",
    "parameters" : [ {
      "key" : "EXTERNAL_PO_NUMBER",
      "value" : "TP"
    }, {
      "key" : "PO_MODIFICATION_DATE",
      "value" : ""
    }, {
      "key" : "PO_CANCELLATION_DATE",
      "value" : ""
    }, {
      "key" : "CURRENCY",
      "value" : "GBP"
    }, {
      "key" : "AMOUNT",
      "value" : "100"
    }, {
      "key" : "PO_DATE",
      "value" : "2023-08-23"
    }, {
      "key" : "ALERT_CODE",
      "value" : "PORAISE"
    }, {
      "key" : "ALERT_CODE",
      "value" : "PORAISE"
    } ],
    "documents" : [ ]
  } ]
} ]
},
"serviceConsumerName" : "OBSCFCM_ALERTS"
}

```

Response:

From External configuration

6.9 Consumer Services - Service Level Agreement

This topic describes about the consumer services required for Service Level Agreement Implementation.

The below endpoints must be configured under Consumer Services in Oracle Banking Routing Hub:

- `getBusinessProcessCode (OBSCF)`
- `getBusinessProcessCode (OBSCFCM)`

Figure 6-9 Consumer Services - Service Level Agreement (SCF)

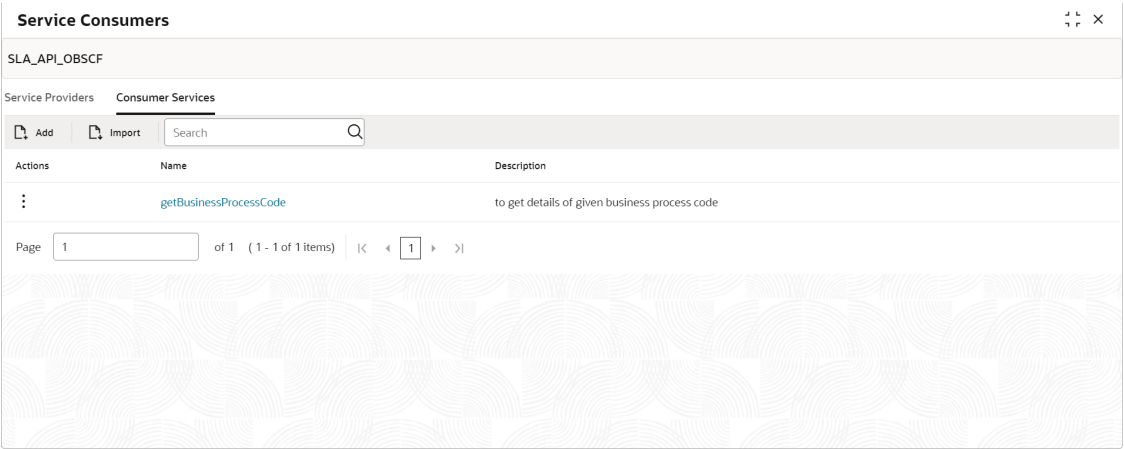
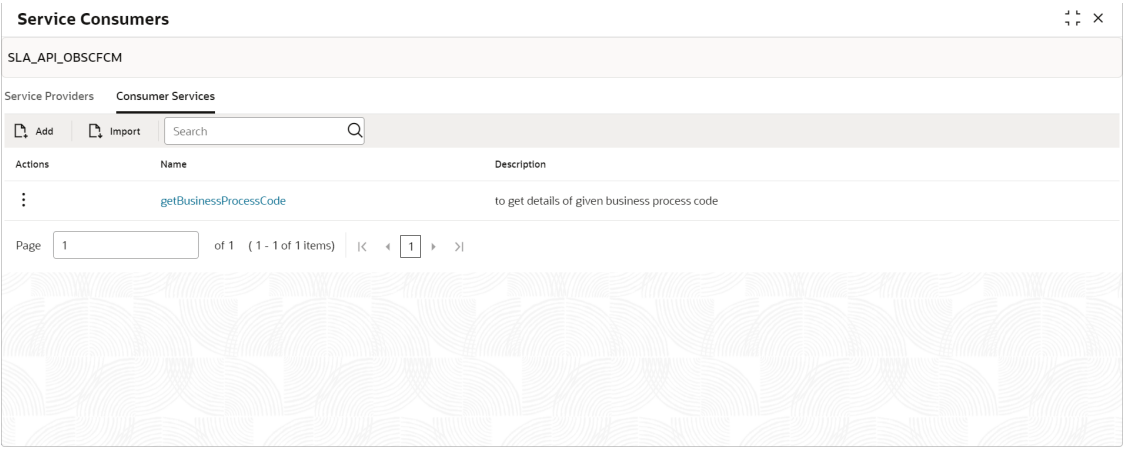


Figure 6-10 Consumer Services - Service Level Agreement (SCFCM)



getBusinessProcessCode (OBSCF)

This API enables the user to fetch the process codes to define the service level agreements for Oracle Banking Supply Chain Finance.

SERVICE-CONSUMER = "SLA\_API\_OBSCF"

SERVICE-CONSUMER-SERVICE= "getBusinessProcessCode"

**Request:**

```
{
  "serviceConsumerServiceName": "getBusinessProcessCode",
  "body": {
    "branchCode": "004",
    "product": "OBSCF",
    "offset": null,
    "limit": null,
    "userId": "PRANAV3",
    "businessProductCode": ""
  },
  "serviceConsumerName": "SLA_API_OBSCF"
}
```

**Response:**

```
{
  "headers" : { },
  "body" : {
    "data" : {
      "data" : [ {
        "customerClarificationRequired" : "N",
        "processCode" : "FINANCE",
        "processDesc" : "FINANCE",
        "processName" : "FINANCE",
        "businessProcess" : "SCFRFD",
        "businessProcessDesc" : "Receivables Finance Disbursement",
        "TaskStageDetails" : [ {
          "seqOrder" : 1381,
          "taskName" : "acc_entries_exception",
          "stageDescription" : "AccountingEntriesPostException",
          "stageID" : "ACC_ENTRIES_EXCEPTION",
          "isParallelStage" : null,
          "parallelStageId" : null,
          "taskType" : "WAIT"
        }, {
          "seqOrder" : 1382,
          "taskName" : "authorization",
          "stageDescription" : "Authorization",
          "stageID" : "AUTHORIZATION",
          "isParallelStage" : null,
          "parallelStageId" : null,
          "taskType" : "WAIT"
        }, {
          "seqOrder" : 1383,
          "taskName" : "authorization2",
          "stageDescription" : "Authorization Level 2",
          "stageID" : "AUTHORIZATION2",
          "isParallelStage" : null,
          "parallelStageId" : null,
          "taskType" : "WAIT"
        }
      ]
    }
  }
}
```

```

    }, {
      "seqOrder" : 1384,
      "taskName" : "authorization3",
      "stageDescription" : "Authorization Level 3",
      "stageID" : "AUTHORIZATION3",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1385,
      "taskName" : "autofin_exception",
      "stageDescription" : "AutoFinanceException",
      "stageID" : "AUTOFIN_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1386,
      "taskName" : "CreateAdhocLimitsTransactionException",
      "stageDescription" : "CreateAdhocLimitsTransactionException",
      "stageID" : "CreateAdhocLimitsTransactionException",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1387,
      "taskName" : "CreditApprovalException",
      "stageDescription" : "CreditApprovalException",
      "stageID" : "CreditApprovalException",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1388,
      "taskName" : "external_payment_exception",
      "stageDescription" : "ExternalPaymentException",
      "stageID" : "EXTERNAL_PAYMENT_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1389,
      "taskName" : "postAuth_update_exception",
      "stageDescription" : "FinanceMasterUpdate",
      "stageID" : "POSTAUTH_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1390,
      "taskName" : "InitiateWorkflowForAdhocLimitTxnException",
      "stageDescription" : "InitiateWorkflowForAdhocLimitTxnException",
      "stageID" : "InitiateWorkflowForAdhocLimitTxnException",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }
  ]
}

```

```

    }, {
      "seqOrder" : 1391,
      "taskName" : "instr_update_exception",
      "stageDescription" : "InstrumentUpdateException",
      "stageID" : "INSTRUMENT_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1392,
      "taskName" : "LimitProcessingException",
      "stageDescription" : "LimitProcessingException",
      "stageID" : "LimitProcessingException",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1393,
      "taskName" : "limits_update_exception",
      "stageDescription" : "LimitsUpdateException",
      "stageID" : "LIMITS_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1394,
      "taskName" : "obcl_exception",
      "stageDescription" : "Loan Integration Exception",
      "stageID" : "OBCL_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1395,
      "taskName" : "PrePostConversionException",
      "stageDescription" : "PrePostConversionException",
      "stageID" : "PrePostConversionException",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1396,
      "taskName" : "SettlementTaskCreationException",
      "stageDescription" : "PreShipSettlementException",
      "stageID" : "SettlementTaskCreationException",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1397,
      "taskName" : "processing",
      "stageDescription" : "Processing",
      "stageID" : "PROCESSING",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }
  ]
}

```

```

    }, {
      "seqOrder" : 1398,
      "taskName" : "status_update_exception",
      "stageDescription" : "TxnStatusUpdateException",
      "stageID" : "TXN_STATUS_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    } ]
  }, {
    "customerClarificationRequired" : "N",
    "processCode" : "FINANCE",
    "processDesc" : "FINANCE",
    "processName" : "FINANCE",
    "businessProcess" : "SCFRFS",
    "businessProcessDesc" : "Receivables Finance Settlement",
    "TaskStageDetails" : [ {
      "seqOrder" : 1399,
      "taskName" : "acc_entries_exception",
      "stageDescription" : "AccountingEntriesPostException",
      "stageID" : "ACC_ENTRIES_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1400,
      "taskName" : "authorization",
      "stageDescription" : "Authorization",
      "stageID" : "AUTHORIZATION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1401,
      "taskName" : "authorization2",
      "stageDescription" : "Authorization Level 2",
      "stageID" : "AUTHORIZATION2",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1402,
      "taskName" : "authorization3",
      "stageDescription" : "Authorization Level 3",
      "stageID" : "AUTHORIZATION3",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1403,
      "taskName" : "autofin_exception",
      "stageDescription" : "AutoFinanceException",
      "stageID" : "AUTOFIN_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    } ]
  } ]

```

```

    }, {
      "seqOrder" : 1404,
      "taskName" : "DelinquencyStatusUpdateException",
      "stageDescription" : "Delinquency Status Update Exception",
      "stageID" : "DELIQUENCY_UPD_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1405,
      "taskName" : "external_payment_exception",
      "stageDescription" : "ExternalPaymentException",
      "stageID" : "EXTERNAL_PAYMENT_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1406,
      "taskName" : "postAuth_update_exception",
      "stageDescription" : "FinanceMasterUpdate",
      "stageID" : "POSTAUTH_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1407,
      "taskName" : "instr_update_exception",
      "stageDescription" : "InstrumentUpdateException",
      "stageID" : "INSTRUMENT_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1408,
      "taskName" : "limits_update_exception",
      "stageDescription" : "LimitsUpdateException",
      "stageID" : "LIMITS_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1409,
      "taskName" : "obcl_exception",
      "stageDescription" : "Loan Integration Exception",
      "stageID" : "OBCL_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1410,
      "taskName" : "settleOS_exception",
      "stageDescription" : "Loan Update Exception",
      "stageID" : "LOANUPDATEEXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }
  ]
}

```



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    }, {
      "seqOrder" : 1411,
      "taskName" : "processing",
      "stageDescription" : "Processing",
      "stageID" : "PROCESSING",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1412,
      "taskName" : "reconAuth_exception",
      "stageDescription" : "ReconAuthorizationException",
      "stageID" : "RECON_AUTHORIZATION_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1413,
      "taskName" : "reconCompletion_exception",
      "stageDescription" : "ReconCompletionException",
      "stageID" : "RECON_COMPLETION_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1414,
      "taskName" : "reconStepAuth_exception",
      "stageDescription" : "ReconStepAuthorizationException",
      "stageID" : "RECON_STEP_AUTHORIZATION_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1415,
      "taskName" : "status_update_exception",
      "stageDescription" : "TxnStatusUpdateException",
      "stageID" : "TXN_STATUS_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    } ]
  }, {
    "customerClarificationRequired" : "N",
    "processCode" : "FINANCE",
    "processDesc" : "FINANCE",
    "processName" : "FINANCE",
    "businessProcess" : "SCFPFD",
    "businessProcessDesc" : "Purchase Order Finance Disbursement",
    "TaskStageDetails" : [ {
      "seqOrder" : 1416,
      "taskName" : "acc_entries_exception",
      "stageDescription" : "AccountingEntriesPostException",
      "stageID" : "ACC_ENTRIES_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    } ]
  } ]

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    }, {
      "seqOrder" : 1417,
      "taskName" : "authorization",
      "stageDescription" : "Authorization",
      "stageID" : "AUTHORIZATION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1418,
      "taskName" : "authorization2",
      "stageDescription" : "Authorization Level 2",
      "stageID" : "AUTHORIZATION2",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1419,
      "taskName" : "authorization3",
      "stageDescription" : "Authorization Level 3",
      "stageID" : "AUTHORIZATION3",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1420,
      "taskName" : "autofin_exception",
      "stageDescription" : "AutoFinanceException",
      "stageID" : "AUTOFIN_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1421,
      "taskName" : "CreateAdhocLimitsTransactionException",
      "stageDescription" : "CreateAdhocLimitsTransactionException",
      "stageID" : "CreateAdhocLimitsTransactionException",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1422,
      "taskName" : "CreditApprovalException",
      "stageDescription" : "CreditApprovalException",
      "stageID" : "CreditApprovalException",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1423,
      "taskName" : "external_payment_exception",
      "stageDescription" : "ExternalPaymentException",
      "stageID" : "EXTERNAL_PAYMENT_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }
  ]
}

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    }, {
      "seqOrder" : 1424,
      "taskName" : "postAuth_update_exception",
      "stageDescription" : "FinanceMasterUpdate",
      "stageID" : "POSTAUTH_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1425,
      "taskName" : "InitiateWorkflowForAdhocLimitTxnException",
      "stageDescription" : "InitiateWorkflowForAdhocLimitTxnException",
      "stageID" : "InitiateWorkflowForAdhocLimitTxnException",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1426,
      "taskName" : "instr_update_exception",
      "stageDescription" : "InstrumentUpdateException",
      "stageID" : "INSTRUMENT_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1427,
      "taskName" : "LimitProcessingException",
      "stageDescription" : "LimitProcessingException",
      "stageID" : "LimitProcessingException",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1428,
      "taskName" : "limits_update_exception",
      "stageDescription" : "LimitsUpdateException",
      "stageID" : "LIMITS_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1429,
      "taskName" : "obcl_exception",
      "stageDescription" : "Loan Integration Exception",
      "stageID" : "OBCL_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1430,
      "taskName" : "processing",
      "stageDescription" : "Processing",
      "stageID" : "PROCESSING",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }
  ]
}

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    }, {
      "seqOrder" : 1431,
      "taskName" : "status_update_exception",
      "stageDescription" : "TxnStatusUpdateException",
      "stageID" : "TXN_STATUS_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    } ]
  }, {
    "customerClarificationRequired" : "N",
    "processCode" : "FINANCE",
    "processDesc" : "FINANCE",
    "processName" : "FINANCE",
    "businessProcess" : "SCFPFS",
    "businessProcessDesc" : "Purchase Order Finance Settlement",
    "TaskStageDetails" : [ {
      "seqOrder" : 1432,
      "taskName" : "acc_entries_exception",
      "stageDescription" : "AccountingEntriesPostException",
      "stageID" : "ACC_ENTRIES_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1433,
      "taskName" : "authorization",
      "stageDescription" : "Authorization",
      "stageID" : "AUTHORIZATION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1434,
      "taskName" : "authorization2",
      "stageDescription" : "Authorization Level 2",
      "stageID" : "AUTHORIZATION2",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1435,
      "taskName" : "authorization3",
      "stageDescription" : "Authorization Level 3",
      "stageID" : "AUTHORIZATION3",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1436,
      "taskName" : "autofin_exception",
      "stageDescription" : "AutoFinanceException",
      "stageID" : "AUTOFIN_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    } ]
  } ]

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    }, {
      "seqOrder" : 1437,
      "taskName" : "DelinquencyStatusUpdateException",
      "stageDescription" : "Delinquency Status Update Exception",
      "stageID" : "DELIQUENCY_UPD_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1438,
      "taskName" : "external_payment_exception",
      "stageDescription" : "ExternalPaymentException",
      "stageID" : "EXTERNAL_PAYMENT_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1439,
      "taskName" : "postAuth_update_exception",
      "stageDescription" : "FinanceMasterUpdate",
      "stageID" : "POSTAUTH_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1440,
      "taskName" : "instr_update_exception",
      "stageDescription" : "InstrumentUpdateException",
      "stageID" : "INSTRUMENT_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1441,
      "taskName" : "limits_update_exception",
      "stageDescription" : "LimitsUpdateException",
      "stageID" : "LIMITS_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1442,
      "taskName" : "obcl_exception",
      "stageDescription" : "Loan Integration Exception",
      "stageID" : "OBCL_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1443,
      "taskName" : "settleOS_exception",
      "stageDescription" : "Loan Update Exception",
      "stageID" : "LOANUPDATEEXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }
  ]
}

```

```

    }, {
      "seqOrder" : 1444,
      "taskName" : "processing",
      "stageDescription" : "Processing",
      "stageID" : "PROCESSING",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1445,
      "taskName" : "status_update_exception",
      "stageDescription" : "TxnStatusUpdateException",
      "stageID" : "TXN_STATUS_UPDATE_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    } ]
  } ]
},
"messages" : {
  "keyId" : null,
  "status" : "SUCCESS",
  "codes" : [ ],
  "requestId" : null,
  "httpStatusCode" : "OK",
  "overrideAuthLevelsReqd" : null
}
}
}

```

### getBusinessProcessCode (OBSCFCM)

This API enables the user to fetch the process codes to define the service level agreements for Oracle Banking Supply Chain Finance and Cash Management.

SERVICE-CONSUMER = "SLA\_API\_OBSCFCM"

SERVICE-CONSUMER-SERVICE= "getBusinessProcessCode"

#### Request:

```

{
  "serviceConsumerServiceName" : "getBusinessProcessCode",
  "body" : {
    "branchCode" : "004",
    "product" : "OBSCFCM",
    "offset" : null,
    "limit" : null,
    "userId" : "PRANAV3",
    "businessProductCode" : ""
  },
  "serviceConsumerName" : "SLA_API_OBSCFCM"
}

```

**Response:**

```

{
  "headers" : { },
  "body" : {
    "data" : {
      "data" : [ {
        "customerClarificationRequired" : "N",
        "processCode" : "INSTRUMENT",
        "processDesc" : "INSTRUMENT",
        "processName" : "INSTRUMENT",
        "businessProcess" : "RPPACP",
        "businessProcessDesc" : "Purchase Order Acceptance",
        "TaskStageDetails" : [ {
          "seqOrder" : 1446,
          "taskName" : "instrument_txn_auth_queue",
          "stageDescription" : "Authorization",
          "stageID" : "TXN_AUTH",
          "isParallelStage" : null,
          "parallelStageId" : null,
          "taskType" : "WAIT"
        } ]
      } ],
      {
        "customerClarificationRequired" : "N",
        "processCode" : "INSTRUMENT",
        "processDesc" : "INSTRUMENT",
        "processName" : "INSTRUMENT",
        "businessProcess" : "RPPCRB",
        "businessProcessDesc" : "Purchase Order Creation Bulk",
        "TaskStageDetails" : [ {
          "seqOrder" : 1447,
          "taskName" : "instrument_txn_auth_queue",
          "stageDescription" : "Authorization",
          "stageID" : "TXN_AUTH",
          "isParallelStage" : null,
          "parallelStageId" : null,
          "taskType" : "WAIT"
        } ]
      },
      {
        "customerClarificationRequired" : "N",
        "processCode" : "INSTRUMENT",
        "processDesc" : "INSTRUMENT",
        "processName" : "INSTRUMENT",
        "businessProcess" : "RPPCNL",
        "businessProcessDesc" : "Purchase Order Cancellation",
        "TaskStageDetails" : [ {
          "seqOrder" : 1448,
          "taskName" : "instrument_txn_auth_queue",
          "stageDescription" : "Authorization",
          "stageID" : "TXN_AUTH",
          "isParallelStage" : null,
          "parallelStageId" : null,
          "taskType" : "WAIT"
        } ]
      },
      {
        "customerClarificationRequired" : "N",

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```

"processCode" : "INSTRUMENT",
"processDesc" : "INSTRUMENT",
"processName" : "INSTRUMENT",
"businessProcess" : "RPPCRM",
"businessProcessDesc" : "Purchase Order Creation Manual",
"TaskStageDetails" : [ {
  "seqOrder" : 1449,
  "taskName" : "instrument_txn_auth_queue",
  "stageDescription" : "Authorization",
  "stageID" : "TXN_AUTH",
  "isParallelStage" : null,
  "parallelStageId" : null,
  "taskType" : "WAIT"
}, {
  "seqOrder" : 1450,
  "taskName" : "mlTagCorrection",
  "stageDescription" : "MlTagCorrection",
  "stageID" : "CREATE_EX",
  "isParallelStage" : null,
  "parallelStageId" : null,
  "taskType" : "WAIT"
} ]
}, {
  "customerClarificationRequired" : "N",
  "processCode" : "INSTRUMENT",
  "processDesc" : "INSTRUMENT",
  "processName" : "INSTRUMENT",
  "businessProcess" : "RPPRJT",
  "businessProcessDesc" : "Purchase Order Rejection",
  "TaskStageDetails" : [ {
    "seqOrder" : 1451,
    "taskName" : "instrument_txn_auth_queue",
    "stageDescription" : "Authorization",
    "stageID" : "TXN_AUTH",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  } ]
}, {
  "customerClarificationRequired" : "N",
  "processCode" : "INSTRUMENT",
  "processDesc" : "INSTRUMENT",
  "processName" : "INSTRUMENT",
  "businessProcess" : "RPACPT",
  "businessProcessDesc" : "Receivable/Payable Acceptance",
  "TaskStageDetails" : [ {
    "seqOrder" : 1452,
    "taskName" : "instrument_txn_auth_queue",
    "stageDescription" : "Authorization",
    "stageID" : "TXN_AUTH",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  } ], {
    "seqOrder" : 1453,
    "taskName" : "instrument_maker_approval_queue",

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        "stageDescription" : "AutoProcessingException",
        "stageID" : "TXN_REJECTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1454,
        "taskName" : "cl_exception",
        "stageDescription" : "CL Exception",
        "stageID" : "CL_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1455,
        "taskName" : "instrument_master_upd_exception",
        "stageDescription" : "Instrument Master Update Exception",
        "stageID" : "TXN_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1456,
        "taskName" : "limit_upd_ex_queue",
        "stageDescription" : "Limits Update Exception",
        "stageID" : "LIMITS_UPD_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1457,
        "taskName" : "instrument_txn_proc_queue",
        "stageDescription" : "Processing",
        "stageID" : "TXN_PROC",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "RPASGN",
    "businessProcessDesc" : "Receivable/Payable Assignment",
    "TaskStageDetails" : [ {
        "seqOrder" : 1458,
        "taskName" : "acc_post_ex_queue",
        "stageDescription" : "Accounting Post Exception",
        "stageID" : "ACC_POST_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1459,
        "taskName" : "acc_regen_exception",

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    "stageDescription" : "Accounting Regeneration Exception",
    "stageID" : "ACC_REGEN_EXCEPTION",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1460,
    "taskName" : "instrument_txn_auth_queue",
    "stageDescription" : "Authorization",
    "stageID" : "TXN_AUTH",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1461,
    "taskName" : "instrument_maker_approval_queue",
    "stageDescription" : "AutoProcessingException",
    "stageID" : "TXN_REJECTION",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1462,
    "taskName" : "cl_exception",
    "stageDescription" : "CL Exception",
    "stageID" : "CL_EXCEPTION",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1463,
    "taskName" : "instrument_master_upd_exception",
    "stageDescription" : "Instrument Master Update Exception",
    "stageID" : "TXN_EX",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1464,
    "taskName" : "limit_upd_ex_queue",
    "stageDescription" : "Limits Update Exception",
    "stageID" : "LIMITS_UPD_EX",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1465,
    "taskName" : "instrument_txn_proc_queue",
    "stageDescription" : "Processing",
    "stageID" : "TXN_PROC",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  } ]
}, {
  "customerClarificationRequired" : "N",

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"processCode" : "INSTRUMENT",
"processDesc" : "INSTRUMENT",
"processName" : "INSTRUMENT",
"businessProcess" : "RPCNL",
"businessProcessDesc" : "Receivable/Payable Cancellation",
"TaskStageDetails" : [ {
  "seqOrder" : 1466,
  "taskName" : "instrument_txn_auth_queue",
  "stageDescription" : "Authorization",
  "stageID" : "TXN_AUTH",
  "isParallelStage" : null,
  "parallelStageId" : null,
  "taskType" : "WAIT"
}, {
  "seqOrder" : 1467,
  "taskName" : "instrument_maker_approval_queue",
  "stageDescription" : "AutoProcessingException",
  "stageID" : "TXN_REJECTION",
  "isParallelStage" : null,
  "parallelStageId" : null,
  "taskType" : "WAIT"
}, {
  "seqOrder" : 1468,
  "taskName" : "cl_exception",
  "stageDescription" : "CL Exception",
  "stageID" : "CL_EXCEPTION",
  "isParallelStage" : null,
  "parallelStageId" : null,
  "taskType" : "WAIT"
}, {
  "seqOrder" : 1469,
  "taskName" : "instrument_master_upd_exception",
  "stageDescription" : "Instrument Master Update Exception",
  "stageID" : "TXN_EX",
  "isParallelStage" : null,
  "parallelStageId" : null,
  "taskType" : "WAIT"
}, {
  "seqOrder" : 1470,
  "taskName" : "limit_upd_ex_queue",
  "stageDescription" : "Limits Update Exception",
  "stageID" : "LIMITS_UPD_EX",
  "isParallelStage" : null,
  "parallelStageId" : null,
  "taskType" : "WAIT"
}, {
  "seqOrder" : 1471,
  "taskName" : "instrument_txn_proc_queue",
  "stageDescription" : "Processing",
  "stageID" : "TXN_PROC",
  "isParallelStage" : null,
  "parallelStageId" : null,
  "taskType" : "WAIT"
} ]
}, {
  "customerClarificationRequired" : "N",

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    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "RPDISC",
    "businessProcessDesc" : "Receivable/Payable Discount Offer Creation",
    "TaskStageDetails" : [ {
      "seqOrder" : 1547,
      "taskName" : "instrument_txn_auth_queue",
      "stageDescription" : "Authorization",
      "stageID" : "TXN_AUTH",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    } ]
  }, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "RPDISA",
    "businessProcessDesc" : "Accept/Reject Early Payment Offer",
    "TaskStageDetails" : [ {
      "seqOrder" : 1472,
      "taskName" : "instrument_txn_auth_queue",
      "stageDescription" : "Authorization",
      "stageID" : "TXN_AUTH",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    } ], {
      "seqOrder" : 1473,
      "taskName" : "instrument_maker_approval_queue",
      "stageDescription" : "AutoProcessingException",
      "stageID" : "TXN_REJECTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    } ], {
      "seqOrder" : 1474,
      "taskName" : "cl_exception",
      "stageDescription" : "CL Exception",
      "stageID" : "CL_EXCEPTION",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    } ], {
      "seqOrder" : 1475,
      "taskName" : "instrument_master_upd_exception",
      "stageDescription" : "Instrument Master Update Exception",
      "stageID" : "TXN_EX",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    } ], {
      "seqOrder" : 1476,
      "taskName" : "limit_upd_ex_queue",

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        "stageDescription" : "Limits Update Exception",
        "stageID" : "LIMITS_UPD_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1477,
        "taskName" : "instrument_txn_proc_queue",
        "stageDescription" : "Processing",
        "stageID" : "TXN_PROC",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "RPEDIT",
    "businessProcessDesc" : "Receivable/Payable Modification",
    "TaskStageDetails" : [ {
        "seqOrder" : 1478,
        "taskName" : "instrument_txn_auth_queue",
        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1479,
        "taskName" : "instrument_maker_approval_queue",
        "stageDescription" : "AutoProcessingException",
        "stageID" : "TXN_REJECTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1480,
        "taskName" : "cl_exception",
        "stageDescription" : "CL Exception",
        "stageID" : "CL_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1481,
        "taskName" : "limit_upd_ex_queue",
        "stageDescription" : "Limits Update Exception",
        "stageID" : "LIMITS_UPD_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1482,
        "taskName" : "instrument_txn_proc_queue",

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        "stageDescription" : "Processing",
        "stageID" : "TXN_PROC",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "RPEXR",
    "businessProcessDesc" : "Receivable/Payable Excess Refund",
    "TaskStageDetails" : [ {
        "seqOrder" : 1548,
        "taskName" : "instrument_txn_auth_queue",
        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "RPIND",
    "businessProcessDesc" : "Receivable/Payable Indirect Payment",
    "TaskStageDetails" : [ {
        "seqOrder" : 1483,
        "taskName" : "acc_regen_exception",
        "stageDescription" : "Accounting Regeneration Exception",
        "stageID" : "ACC_REGEN_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ], {
        "seqOrder" : 1484,
        "taskName" : "instrument_txn_auth_queue",
        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1485,
        "taskName" : "instrument_maker_approval_queue",
        "stageDescription" : "AutoProcessingException",
        "stageID" : "TXN_REJECTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1486,
        "taskName" : "cl_exception",

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        "stageDescription" : "CL Exception",
        "stageID" : "CL_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1487,
        "taskName" : "instrument_master_upd_exception",
        "stageDescription" : "Instrument Master Update Exception",
        "stageID" : "TXN_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1488,
        "taskName" : "limit_upd_ex_queue",
        "stageDescription" : "Limits Update Exception",
        "stageID" : "LIMITS_UPD_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1489,
        "taskName" : "instrument_txn_proc_queue",
        "stageDescription" : "Processing",
        "stageID" : "TXN_PROC",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "INTRFD",
    "businessProcessDesc" : "Interest Payment Refund",
    "TaskStageDetails" : [ {
        "seqOrder" : 1490,
        "taskName" : "instrument_txn_auth_queue",
        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "LPSCF",
    "businessProcessDesc" : "Link Program to Receivable/Payable",
    "TaskStageDetails" : [ {
        "seqOrder" : 1491,
        "taskName" : "instrument_txn_auth_queue",

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        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1492,
        "taskName" : "instrument_maker_approval_queue",
        "stageDescription" : "AutoProcessingException",
        "stageID" : "TXN_REJECTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1493,
        "taskName" : "cl_exception",
        "stageDescription" : "CL Exception",
        "stageID" : "CL_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1494,
        "taskName" : "limit_upd_ex_queue",
        "stageDescription" : "Limits Update Exception",
        "stageID" : "LIMITS_UPD_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1495,
        "taskName" : "instrument_txn_proc_queue",
        "stageDescription" : "Processing",
        "stageID" : "TXN_PROC",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "RPPUA",
    "businessProcessDesc" : "Receivable/Payable Payment Under Approval",
    "TaskStageDetails" : [ {
        "seqOrder" : 1496,
        "taskName" : "acc_regen_exception",
        "stageDescription" : "Accounting Regeneration Exception",
        "stageID" : "ACC_REGEN_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1497,
        "taskName" : "instrument_txn_auth_queue",

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        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1498,
        "taskName" : "instrument_maker_approval_queue",
        "stageDescription" : "AutoProcessingException",
        "stageID" : "TXN_REJECTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1499,
        "taskName" : "cl_exception",
        "stageDescription" : "CL Exception",
        "stageID" : "CL_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1500,
        "taskName" : "instrument_master_upd_exception",
        "stageDescription" : "Instrument Master Update Exception",
        "stageID" : "TXN_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1501,
        "taskName" : "limit_upd_ex_queue",
        "stageDescription" : "Limits Update Exception",
        "stageID" : "LIMITS_UPD_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1502,
        "taskName" : "instrument_txn_proc_queue",
        "stageDescription" : "Processing",
        "stageID" : "TXN_PROC",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "RPRDP",
    "businessProcessDesc" : "Receivable/Payable Raise Dispute",
    "TaskStageDetails" : [ {
        "seqOrder" : 1503,
        "taskName" : "acc_post_ex_queue",

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    "stageDescription" : "Accounting Post Exception",
    "stageID" : "ACC_POST_EX",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1504,
    "taskName" : "acc_regen_exception",
    "stageDescription" : "Accounting Regeneration Exception",
    "stageID" : "ACC_REGEN_EXCEPTION",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1505,
    "taskName" : "instrument_txn_auth_queue",
    "stageDescription" : "Authorization",
    "stageID" : "TXN_AUTH",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1506,
    "taskName" : "instrument_maker_approval_queue",
    "stageDescription" : "AutoProcessingException",
    "stageID" : "TXN_REJECTION",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1507,
    "taskName" : "cl_exception",
    "stageDescription" : "CL Exception",
    "stageID" : "CL_EXCEPTION",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1508,
    "taskName" : "instrument_master_upd_exception",
    "stageDescription" : "Instrument Master Update Exception",
    "stageID" : "TXN_EX",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1509,
    "taskName" : "limit_upd_ex_queue",
    "stageDescription" : "Limits Update Exception",
    "stageID" : "LIMITS_UPD_EX",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1510,
    "taskName" : "instrument_txn_proc_queue",

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        "stageDescription" : "Processing",
        "stageID" : "TXN_PROC",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "RPRASG",
    "businessProcessDesc" : "Receivable/Payable Re-assignment",
    "TaskStageDetails" : [ {
        "seqOrder" : 1511,
        "taskName" : "acc_post_ex_queue",
        "stageDescription" : "Accounting Post Exception",
        "stageID" : "ACC_POST_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1512,
        "taskName" : "acc_regen_exception",
        "stageDescription" : "Accounting Regeneration Exception",
        "stageID" : "ACC_REGEN_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1513,
        "taskName" : "instrument_txn_auth_queue",
        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1514,
        "taskName" : "instrument_maker_approval_queue",
        "stageDescription" : "AutoProcessingException",
        "stageID" : "TXN_REJECTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1515,
        "taskName" : "cl_exception",
        "stageDescription" : "CL Exception",
        "stageID" : "CL_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1516,
        "taskName" : "instrument_master_upd_exception",

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        "stageDescription" : "Instrument Master Update Exception",
        "stageID" : "TXN_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1517,
        "taskName" : "limit_upd_ex_queue",
        "stageDescription" : "Limits Update Exception",
        "stageID" : "LIMITS_UPD_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1518,
        "taskName" : "instrument_txn_proc_queue",
        "stageDescription" : "Processing",
        "stageID" : "TXN_PROC",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "RPRJT",
    "businessProcessDesc" : "Receivable/Payable Rejection",
    "TaskStageDetails" : [ {
        "seqOrder" : 1519,
        "taskName" : "instrument_txn_auth_queue",
        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1520,
        "taskName" : "cl_exception",
        "stageDescription" : "CL Exception",
        "stageID" : "CL_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1521,
        "taskName" : "limit_upd_ex_queue",
        "stageDescription" : "Limits Update Exception",
        "stageID" : "LIMITS_UPD_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1522,
        "taskName" : "instrument_txn_proc_queue",

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        "stageDescription" : "Processing",
        "stageID" : "TXN_PROC",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "RPRSD",
    "businessProcessDesc" : "Receivable/Payable Resolve Dispute",
    "TaskStageDetails" : [ {
        "seqOrder" : 1523,
        "taskName" : "acc_post_ex_queue",
        "stageDescription" : "Accounting Post Exception",
        "stageID" : "ACC_POST_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1524,
        "taskName" : "acc_regen_exception",
        "stageDescription" : "Accounting Regeneration Exception",
        "stageID" : "ACC_REGEN_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1525,
        "taskName" : "instrument_txn_auth_queue",
        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1526,
        "taskName" : "instrument_maker_approval_queue",
        "stageDescription" : "AutoProcessingException",
        "stageID" : "TXN_REJECTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1527,
        "taskName" : "cl_exception",
        "stageDescription" : "CL Exception",
        "stageID" : "CL_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1528,
        "taskName" : "instrument_master_upd_exception",

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    "stageDescription" : "Instrument Master Update Exception",
    "stageID" : "TXN_EX",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1529,
    "taskName" : "limit_upd_ex_queue",
    "stageDescription" : "Limits Update Exception",
    "stageID" : "LIMITS_UPD_EX",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1530,
    "taskName" : "instrument_txn_proc_queue",
    "stageDescription" : "Processing",
    "stageID" : "TXN_PROC",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  } ]
}, {
  "customerClarificationRequired" : "N",
  "processCode" : "INSTRUMENT",
  "processDesc" : "INSTRUMENT",
  "processName" : "INSTRUMENT",
  "businessProcess" : "RPWOD",
  "businessProcessDesc" : "Receivable/Payable Write off Dispute",
  "TaskStageDetails" : [ {
    "seqOrder" : 1531,
    "taskName" : "acc_post_ex_queue",
    "stageDescription" : "Accounting Post Exception",
    "stageID" : "ACC_POST_EX",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1532,
    "taskName" : "acc_regen_exception",
    "stageDescription" : "Accounting Regeneration Exception",
    "stageID" : "ACC_REGEN_EXCEPTION",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1533,
    "taskName" : "instrument_txn_auth_queue",
    "stageDescription" : "Authorization",
    "stageID" : "TXN_AUTH",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1534,
    "taskName" : "instrument_maker_approval_queue",

```

```

        "stageDescription" : "AutoProcessingException",
        "stageID" : "TXN_REJECTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1535,
        "taskName" : "cl_exception",
        "stageDescription" : "CL Exception",
        "stageID" : "CL_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1536,
        "taskName" : "instrument_master_upd_exception",
        "stageDescription" : "Instrument Master Update Exception",
        "stageID" : "TXN_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1537,
        "taskName" : "limit_upd_ex_queue",
        "stageDescription" : "Limits Update Exception",
        "stageID" : "LIMITS_UPD_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1538,
        "taskName" : "instrument_txn_proc_queue",
        "stageDescription" : "Processing",
        "stageID" : "TXN_PROC",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "CRNCR",
    "businessProcessDesc" : "Credit Note Creation Manual",
    "TaskStageDetails" : [ {
        "seqOrder" : 1539,
        "taskName" : "instrument_txn_auth_queue",
        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1540,
        "taskName" : "cl_exception",

```

```

        "stageDescription" : "CL Exception",
        "stageID" : "CL_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1541,
        "taskName" : "limit_upd_ex_queue",
        "stageDescription" : "Limits Update Exception",
        "stageID" : "LIMITS_UPD_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1542,
        "taskName" : "instrument_txn_proc_queue",
        "stageDescription" : "Processing",
        "stageID" : "TXN_PROC",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "POEDIT",
    "businessProcessDesc" : "Purchase Order Modification",
    "TaskStageDetails" : [ {
        "seqOrder" : 1543,
        "taskName" : "instrument_txn_auth_queue",
        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1544,
        "taskName" : "instrument_master_upd_exception",
        "stageDescription" : "Instrument Master Update Exception",
        "stageID" : "TXN_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "LPGPO",
    "businessProcessDesc" : "Link Program to Purchase Order",
    "TaskStageDetails" : [ {
        "seqOrder" : 1545,
        "taskName" : "instrument_txn_auth_queue",

```



```

        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1546,
        "taskName" : "instrument_master_upd_exception",
        "stageDescription" : "Instrument Master Update Exception",
        "stageID" : "TXN_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "MANUALRECON",
    "processDesc" : "MANUALRECON",
    "processName" : "MANUALRECON",
    "businessProcess" : "RPMALL",
    "businessProcessDesc" : "Manual Allocation",
    "TaskStageDetails" : [ {
        "seqOrder" : 1355,
        "taskName" : "Authorization",
        "stageDescription" : "Authorization",
        "stageID" : "PROCESSING_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1356,
        "taskName" : "MasterUpdateError",
        "stageDescription" : "Master Update Retry",
        "stageID" : "MasterUpdateError",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1357,
        "taskName" : "processingOnAuthorizationReject",
        "stageDescription" : "Processing",
        "stageID" : "PROCESSING_AUTH_REJECT",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "MANUALRECON",
    "processDesc" : "MANUALRECON",
    "processName" : "MANUALRECON",
    "businessProcess" : "RPMDA",
    "businessProcessDesc" : "De-allocation",
    "TaskStageDetails" : [ {
        "seqOrder" : 1358,
        "taskName" : "Authorization",

```

```

        "stageDescription" : "Authorization",
        "stageID" : "PROCESSING_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1359,
        "taskName" : "MasterUpdateError",
        "stageDescription" : "Master Update Retry",
        "stageID" : "MasterUpdateError",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1360,
        "taskName" : "processingOnAuthorizationReject",
        "stageDescription" : "Processing",
        "stageID" : "PROCESSING_AUTH_REJECT",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "MANUALRECON",
    "processDesc" : "MANUALRECON",
    "processName" : "MANUALRECON",
    "businessProcess" : "RPDER",
    "businessProcessDesc" : "De-reconciliation",
    "TaskStageDetails" : [ {
        "seqOrder" : 1364,
        "taskName" : "Authorization",
        "stageDescription" : "Authorization",
        "stageID" : "PROCESSING_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1365,
        "taskName" : "MasterUpdateError",
        "stageDescription" : "Master Update Retry",
        "stageID" : "MasterUpdateError",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1366,
        "taskName" : "processingOnAuthorizationReject",
        "stageDescription" : "Processing",
        "stageID" : "PROCESSING_AUTH_REJECT",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",

```

```

"processCode" : "MANUALRECON",
"processDesc" : "MANUALRECON",
"processName" : "MANUALRECON",
"businessProcess" : "RPRFD",
"businessProcessDesc" : "Receivable/Payable - Mark Refund",
"TaskStageDetails" : [ {
  "seqOrder" : 1361,
  "taskName" : "Authorization",
  "stageDescription" : "Authorization",
  "stageID" : "PROCESSING_AUTH",
  "isParallelStage" : null,
  "parallelStageId" : null,
  "taskType" : "WAIT"
}, {
  "seqOrder" : 1362,
  "taskName" : "MasterUpdateError",
  "stageDescription" : "Master Update Retry",
  "stageID" : "MasterUpdateError",
  "isParallelStage" : null,
  "parallelStageId" : null,
  "taskType" : "WAIT"
}, {
  "seqOrder" : 1363,
  "taskName" : "processingOnAuthorizationReject",
  "stageDescription" : "Processing",
  "stageID" : "PROCESSING_AUTH_REJECT",
  "isParallelStage" : null,
  "parallelStageId" : null,
  "taskType" : "WAIT"
} ]
}, {
  "customerClarificationRequired" : "N",
  "processCode" : "MANUALRECON",
  "processDesc" : "MANUALRECON",
  "processName" : "MANUALRECON",
  "businessProcess" : "ARCON",
  "businessProcessDesc" : "Auto - Reconciliation",
  "TaskStageDetails" : [ {
    "seqOrder" : 1367,
    "taskName" : "accPostExQueue",
    "stageDescription" : "Accounting Post Exception",
    "stageID" : "AccPostException",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1368,
    "taskName" : "accRegenException",
    "stageDescription" : "Accounting Regeneration Exception",
    "stageID" : "AccRegenException",
    "isParallelStage" : null,
    "parallelStageId" : null,
    "taskType" : "WAIT"
  }, {
    "seqOrder" : 1369,
    "taskName" : "Authorization",

```

```

        "stageDescription" : "Authorization",
        "stageID" : "PROCESSING_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1370,
        "taskName" : "clException",
        "stageDescription" : "CL Exception",
        "stageID" : "CLException",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1371,
        "taskName" : "ExcessPaymentProcessingException",
        "stageDescription" : "ExcessPaymentProcessingException",
        "stageID" : "ExcessPaymentProcessingException",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1372,
        "taskName" : "limitUpdExQueue",
        "stageDescription" : "Limits Update Exception",
        "stageID" : "LimitsUpdException",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1373,
        "taskName" : "MasterUpdateError",
        "stageDescription" : "Master Update Retry",
        "stageID" : "MasterUpdateError",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1374,
        "taskName" : "processingOnAuthorizationReject",
        "stageDescription" : "Processing",
        "stageID" : "PROCESSING_AUTH_REJECT",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "RPCRMD",
    "businessProcessDesc" : "Receivable/Payable Creation Manual",
    "TaskStageDetails" : [ {
        "seqOrder" : 1549,
        "taskName" : "instrument_txn_auth_queue",

```

```

        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1550,
        "taskName" : "cl_exception",
        "stageDescription" : "CL Exception",
        "stageID" : "CL_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1551,
        "taskName" : "limit_upd_ex_queue",
        "stageDescription" : "Limits Update Exception",
        "stageID" : "LIMITS_UPD_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1552,
        "taskName" : "instrument_txn_proc_queue",
        "stageDescription" : "Processing",
        "stageID" : "TXN_PROC",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "RPCRMI",
    "businessProcessDesc" : "Receivable/Payable Creation Manual",
    "TaskStageDetails" : [ {
        "seqOrder" : 1553,
        "taskName" : "instrument_txn_auth_queue",
        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1554,
        "taskName" : "cl_exception",
        "stageDescription" : "CL Exception",
        "stageID" : "CL_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1555,
        "taskName" : "limit_upd_ex_queue",

```

```

        "stageDescription" : "Limits Update Exception",
        "stageID" : "LIMITS_UPD_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1556,
        "taskName" : "instrument_txn_proc_queue",
        "stageDescription" : "Processing",
        "stageID" : "TXN_PROC",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "INSTRUMENT",
    "processDesc" : "INSTRUMENT",
    "processName" : "INSTRUMENT",
    "businessProcess" : "RPCRM",
    "businessProcessDesc" : "Receivable/Payable Creation Manual",
    "TaskStageDetails" : [ {
        "seqOrder" : 1557,
        "taskName" : "instrument_txn_auth_queue",
        "stageDescription" : "Authorization",
        "stageID" : "TXN_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1558,
        "taskName" : "instrument_maker_approval_queue",
        "stageDescription" : "AutoProcessingException",
        "stageID" : "TXN_REJECTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1559,
        "taskName" : "cl_exception",
        "stageDescription" : "CL Exception",
        "stageID" : "CL_EXCEPTION",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1560,
        "taskName" : "instrument_master_upd_exception",
        "stageDescription" : "Instrument Master Update Exception",
        "stageID" : "TXN_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1561,
        "taskName" : "limit_upd_ex_queue",

```

```

        "stageDescription" : "Limits Update Exception",
        "stageID" : "LIMITS_UPD_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1562,
        "taskName" : "mlTagCorrection",
        "stageDescription" : "MlTagCorrection",
        "stageID" : "CREATE_EX",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1563,
        "taskName" : "instrument_txn_proc_queue",
        "stageDescription" : "Processing",
        "stageID" : "TXN_PROC",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {
    "customerClarificationRequired" : "N",
    "processCode" : "MANUALRECON",
    "processDesc" : "MANUALRECON",
    "processName" : "MANUALRECON",
    "businessProcess" : "RPNTAR",
    "businessProcessDesc" : "Receivable/Payable Not to be Auto
Reconciled",
    "TaskStageDetails" : [ {
        "seqOrder" : 1375,
        "taskName" : "Authorization",
        "stageDescription" : "Authorization",
        "stageID" : "PROCESSING_AUTH",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1376,
        "taskName" : "MasterUpdateError",
        "stageDescription" : "Master Update Retry",
        "stageID" : "MasterUpdateError",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    }, {
        "seqOrder" : 1377,
        "taskName" : "processingOnAuthorizationReject",
        "stageDescription" : "Processing",
        "stageID" : "PROCESSING_AUTH_REJECT",
        "isParallelStage" : null,
        "parallelStageId" : null,
        "taskType" : "WAIT"
    } ]
}, {

```

```

    "customerClarificationRequired" : "N",
    "processCode" : "MANUALRECON",
    "processDesc" : "MANUALRECON",
    "processName" : "MANUALRECON",
    "businessProcess" : "RPNTR",
    "businessProcessDesc" : "Receivable/Payable Not to be Reconciled",
    "TaskStageDetails" : [ {
      "seqOrder" : 1378,
      "taskName" : "Authorization",
      "stageDescription" : "Authorization",
      "stageID" : "PROCESSING_AUTH",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1379,
      "taskName" : "MasterUpdateError",
      "stageDescription" : "Master Update Retry",
      "stageID" : "MasterUpdateError",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    }, {
      "seqOrder" : 1380,
      "taskName" : "processingOnAuthorizationReject",
      "stageDescription" : "Processing",
      "stageID" : "PROCESSING_AUTH_REJECT",
      "isParallelStage" : null,
      "parallelStageId" : null,
      "taskType" : "WAIT"
    } ]
  } ]
},
"messages" : {
  "keyId" : null,
  "status" : "SUCCESS",
  "codes" : [ ],
  "requestId" : null,
  "httpStatusCode" : "OK",
  "overrideAuthLevelsReqd" : null
}
}
}

```

## 6.10 Consumer Services– Finance Dedupe

This topic describes about the consumer services required for Finance Dedupe Implementation.

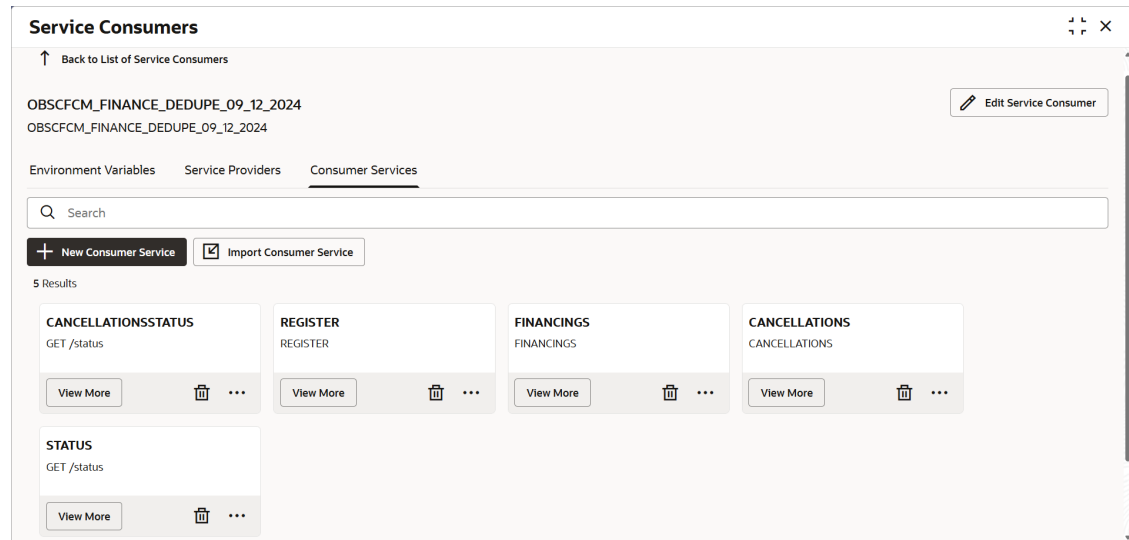
The following endpoints need to be set up under Consumer Services in the Oracle Banking Routing Hub::

- REGISTER
- STATUS
- FINANCINGS



- CANCELLATIONS
- CANCELLATIONS STATUS

**Figure 6-11 Consumer Services - Finance Dedupe**



## REGISTER

To register the Invoice with an external partner i.e., MonetaGo.

SERVICE-CONSUMER = "OBSCFCM FINANCE DEDUPE"

SERVICE-CONSUMER-SERVICE = "REGISTER"

**Request:**

[illegible]

```
"buyerDivName" : null,  
"currency" : "USD",  
"isDisputed" : null,  
"discrepancyCode" : null,  
"disputeResolveRemarks" : null,  
"fileName" : null,  
"fileRef" : null,  
"filler1" : "2022-10-20",  
"filler2" : null,  
"filler3" : "Filler3-1",  
"filler4" : "Filler4-1",  
"filler5" : null,  
"filler6" : null,  
"filler7" : null,  
"filler8" : null,  
"filler9" : null,  
"filler10" : null,  
"financeAmount" : 0,  
"financePercentage" : 0,  
"indicator" : "I",  
"invoiceDate" : "2022-10-20",  
"invoiceDueDate" : "2022-11-04",  
"invoiceNumber" : "ATDPINV-005",  
"invoiceProcessStatus" : "SUCCESS",  
"invoiceRefNo" : "INV0451",  
"invoiceStatus" : "OVERDUE",  
"invoiceStatusOther" : null,  
"invAcceptanceDate" : "2022-11-09",  
"maxFinancePercentage" : null,  
"paidAmount" : 0,  
"paymentStatus" : "UNPAID",  
"preAccepted" : "Y",  
"poNumber" : null,  
"programCode" : "ATDPRG",  
"programName" : "ATDPRG",  
"reasonCode" : null,  
"remarks" : "Remarks",  
"supplierId" : "202292",  
"supplierName" : "ATDPSUPPLIER",  
"supplierDivCode" : null,  
"supplierDivName" : null,  
"taxAmount" : 0,  
"totalInvoiceAmount" : 10000,  
"assignmentAmount" : 0,  
"assignableAmount" : null,  
"minAssignableAmount" : null,  
"maxAssignmentPct" : null,  
"minAssignmentPct" : null,  
"paymentTerms" : "Payment Terms",  
"shipmentDate" : "2023-01-09",  
"outstandingAmount" : 10000,  
"discountAllowed" : "Y",  
"discountPercentage" : null,  
"discountAmount" : 0,  
"taxPercentage" : null,  
"purchaseOrderDate" : "2023-02-09",
```

```
"staleStatus" : "N",
"divisionCode" : "D1",
"shipmentAddress" : "Pune-411021",
"shipmentCountry" : "USA",
"shipmentNo" : "SH-01",
"reasonForExport" : "Not Specified",
"termsOfSale" : "FCA",
"countryOfOrigin" : "IND",      "miscCharge1" :
null,
"miscCharge1Amount" : 0,
"miscCharge1Desc" : null,
"miscCharge2" : null,
"miscCharge2Amount" : 0,
"miscCharge2Desc" : null,
"netInvoiceAmount" : 10000,
"financeableAmount" : null,
"minFinanceableAmount" : null,
"finTxnStatus" : null,
"transactionRefNo" : "004110325INV1464",
"relationCode" : "ATDPRELATION",
"supplierCode" : null,
"buyerCode" : null,"shipmentRefNo" :
null,
"repayAccountNo" : null,
"bank" : "Bank01",
"branch" : "004",
"routingCode" : null,
"isAutoAuth" : null,
"reasonErrorCode" : null,
"isApproved" : null,
"shipmentCity" : null,
"shipmentZipCode" : null,
"shipmentPhoneNumber" : null,
"shipmentTaxId" : null,
"financeStatus" : null,
"invoiceCommodityGridList" : [ ],
"finEligibilityAmt" : null,
"reconTxnStatus" : null,
"reasonForShipment" : null,
"virtualAcFlag" : null,
"fundingReqAmt" : null,
"raisedBy" : null,
"processingBranchCode" : "004",
"action" : "CREATE",
"processingDate" : null,
"paymentDate" : null,
"disputedAmount" : null,
"linkedDocs" : null,
"isFinanced" : null,
"tcmId" : null,
"makerId" : null,
"makerDtStamp" : null,
"stageId" : null,
"isAccepted" : "Y",
"isDisputeResolvedWriteOff" : null,
"isAssigned" : null,
```

```
"assignmentParty" : null,
"isOverdue" : "Y",
"oldAcceptanceAmount" : null,
"oldAssignmentAmount" : null,
"oldFinanceAmount" : null,
"amountToBeFinanced" : null,
"oldInvoiceDueDate" : null,
"oldDisputeAmount" : null,
"sourceTxnId" : "EXT004110325INV1464",
"adjustmentReason" : null,
"linkInvoiceNumber" : "",
"paymentDueDate" : "2022-11-04",
"isPUA" : null,
"isIndirectPayment" : null,
"paymentParty" : null,
"importFactorId" : null,
"importFactorName" : null,
"insuranceCoId" : null,
"insuranceCoName" : null,
"paymentMode" : null,
"reconPmtAmount" : 0,
"reconPmtAmountCcy" : null,
"varianceAmount" : null,
"linkedInvoiceList" : null,
"invoiceOfferList" : null,
"feedSerialNo" : null,
"expiresOn" : null,
"fundingReqDate" : "2022-10-25",
"newFundingReqDate" : "2022-10-25",
"oldExpiryDate" : null,
"bunchIdentifier" : null,
"discountType" : null,
"invoiceValueDate" : null,
"discount1Days" : null,
"discount2Days" : null,
"discount1Perc" : null,
"discount2Perc" : null,
"paymentCondition" : null,
"exportFactorId" : null,
"exportFactorName" : null,
"validateForOverdue" : null,
"shipSeqNo" : 1,
"finSeqNo" : 1,
"paySeqNo" : 1,
"channel" : "EXT",
"corporateId" : null,
"financeOutstandingAmount" : null,
"interestBearingPartyRole" : null,
"tmDrCrNoteLinkInvoiceList" : [ ],
"nettingStatus" : null,
"invoiceLinkedPoModelList" : null,
"paymentThreshold" : null,
"appliedDiscountAmt" : null,
"creditCoverAmount" : 0,
"isUnderlyingPoFinanced" : null,
"messageRefId" : null,
```

```

        "notifyingParty" :
null,
        "disputeAction" : null,
        "nettingTxnPayableStatus" : null,
        "nettingTxnReceivableStatus" : null,
        "useEarmarkedLimits" : null,
        "jsonString" : null,
        "editedFields" : null,
        "allowBackDatedDisbursements" : null,
        "disbursementCcy" : null,
        "maxFinanceableAmount" : null,
        "amtToBeFinancedinInvCcy" : null,
        "isAnomalous" : null,
        "isAnomalyDetected" : null,
        "anomalyDescription" : null,
        "tenor" : null,
        "debtorName" : "ATDPSUPPLIER",
        "financeVerificationStatus" : null,
        "financeOrganization" : null,
        "finOrgFinancedAmount" : null,
        "factoringProfile" : null,
        "twoFactorApp" : null,
        "financiabileAmount" : null,
        "finProcessStatus" : null,
        "accountName" : null,
        "accountCurrency" : null,
        "beneAddr1" : null,
        "beneAddr2" : null,
        "beneAddr3" : null,
        "beneAddr4" : null,
        "beneCountry" : null, "beneCountryName" :
null,
        "beneContact" : null,
        "beneEmail" : null,
        "interBic" : null,
        "interBank" : null,
        "interAddr1" : null,
        "interAddr2" : null,
        "interAddr3" : null,
        "interAddr4" : null,
        "invoiceDisbCrdtAcc" : {           "id" : "1348976581746876416",
        "seqNo" : 1,
        "invoiceRefNo" : "INV0451",
        "invoiceMasterId" :
        "1348976581746876416",
        "transactionRefNo" : "004110325INV1464",
        "accountType" : null,
        "bank" : null,
        "branch" : null,
        "bic" : null,
        "accountNo" : null,
        "accountName" : null,
        "paymentMode" : null,
        "accountCurrency" : null,
        "product" : null,
        "role" : null,

```

```

"beneAddr1" : null,
"beneAddr2" : null,
"beneAddr3" : null,
"beneAddr4" : null,
"beneCountry" : null,
"beneContact" : null,
"beneEmail" : null,
"interBic" : null,
"interBank" : null,
"interAddr1" : null,
"interAddr2" : null,
"interAddr3" : null,
"interAddr4" : null,
"newAcctFlag" : null,
"beneCountryName" : null
}
} ],
"grantType" : "client_credentials"
}

```

**Response:**

```

{"data" : {
  "request_identification" :
    "adb1f00c-9e13-4d3c-bdc4-b665a1bc23fe"
}
}

```

**STATUS**

To check the Status of the Registration and Financing.

SERVICE-CONSUMER = "OBSCFCM\_FINANCE\_DEDUPE"

SERVICE-CONSUMER-SERVICE= "STATUS"

**Request:**

```

{
  "branchCode" : "004",
  "audience" : "https://api.uat.securefinancing.com",
  "clientId" : "77QdQGPI6aXS0aKY6bua2SggyXIoxwjG",
  "offset" : 0,
  "isLoggingRequired" : false,
  "limit" : "500",
  "clientSecret" :
    "442t9wuejDJANnZBZMYNJ_KCGDCZ-7VHAbagSeq8_o5oVNJeLIVylg7dVvhnpuhN",
  "grantType" : "client_credentials",
  "requestIdentification" : "85edd873-707f-48e7-af99-4229e161cf04"
}

```

**Response:**

```

"data" : {
  "links" : [ {

```

```

        "href" :
        "https://api.uat.eu.securefinancing.com/v1/status/85edd873-707f-48e7-af99-4229e161cf04?include-cancelled=false&include-similarity=CRITICAL_SIMILARITY&include-similarity=HIGH_SIMILARITY&limit=500&offset=0",
        "rel" : "self",
        "type" : "GET"
    }, {
        "href" :
        "https://api.uat.eu.securefinancing.com/v1/status/85edd873-707f-48e7-af99-4229e161cf04?include-cancelled=false&include-similarity=CRITICAL_SIMILARITY&include-similarity=HIGH_SIMILARITY&limit=500&offset=0",
        "rel" : "first",
        "type" : "GET"
    }, {
        "href" : "https://api.uat.eu.securefinancing.com/v1/status/85edd873-707f-48e7-af99-4229e161cf04?include-cancelled=false&include-similarity=CRITICAL_SIMILARITY&include-similarity=HIGH_SIMILARITY&limit=500&offset=0",
        "rel" : "last",
        "type" : "GET"
    } ],
    "request_identification" :
    "85edd873-707f-48e7-af99-4229e161cf04",
    "submitting_financial_institution_identification" :
    "3ac506ec-8b62-4eab-b4c3-0dead0bc9f21",
    "creation_date_time" : "2025-03-11T06:05:54.789Z",
    "financing_validation_data_set_details" : [ {
        "pool_identification" : "004110325INV1335",
        "batch_identification" : "22c2de93-f2da-4a0a-9fe0-f84303de3af5",
        "batch_booking" : false,
        "submitter_data_set_identification" : "INV0401",
        "data_set_identification" : "bc7b0bc2-ab51-42f2-bacc-46ac36823fab",
        "financing_applicant" : {
            "name" : "RELIANCE"
        },
        "referred_documents" : [ {
            "trade_utility_service" : [ ],
            "document_summary" : {
                "document_type" : "CINV",
                "issue_date" : "2022-11-09",
                "seller_identification" : {
                    "name" :
"APIAutoNonCustomer"
                },
                "buyer_identification" : {
                    "name" :
"RELIANCE"
                },
                "invoice_number" : "INV11MARC001",
                "total_invoice_amount" : {
                    "currency" : "USD",
                    "amount" : "800"
                },
                "commercial_line_items" : [ ],
                "ship_to_address_line" : [ ]
            },
            "registered_document_identification" :
"86a9c721-19fc-4934-8eda-725abfb660cb",
            "trade_utility_matching" : [ ],
            "trade_utility_data" : [ ],
            "document_duplicate_matches" : {
                "exact_matches" : [ ],
                "partial_matches" : [ ]
            },
            "financing_request_status" : "FNCD",
            "financing_request_duplicate_report" : [ ],
            "errors" : [ ]
        } ]
    } ]

```

```
} ]
}
```

## FINANCINGS

To mark the Invoices as Financed in the MonetaGo system.

SERVICE-CONSUMER = "OBSCFCM\_FINANCE\_DEDUPE"

SERVICE-CONSUMER-SERVICE= "FINANCINGS"

### Request:

```
{
  "branchCode" : "004",
  "audience" : "https://api.uat.securefinancing.com",
  "clientId" : "77QdQGPI6aXS0aKY6bua2SggyXIoxwjG",
  "isLoggingRequired" : false,
  "clientSecret" :
    "442t9wuejDJANnZBZMYNJ_KCGDCZ-7VHAbagSeq8_o5oVNJeLIVy1g7dVvhnpUhN",
  "submitFinancialInstitutionId" :
    "3ac506ec-8b62-4eab-b4c3-0dead0bc9f21",
  "invoiceDetails" : [ {
    "id" : "1348898263605436416",
    "instrumentRefNo" : "INV0401",
    "isFinanced" : null,
    "partnerRegistrationIdentification" :
      "867acbb7-4db5-4ebb-a78f-8a393693c52e",
    "partnerInstrumentIdentification" :
      "bc7b0bc2-ab51-42f2-bacc-46ac36823fab",
    "instrumentDedupStatus" : "REGU",
    "eventDateTime" : 1741673153000,
    "matchingBlob" : null,
    "financeOrganization" : null,
    "finOrgFinancedAmount" : null,
    "event" : "Registration Status",
    "partnerCancellationIdentification" : null,
    "partnerFinIdentification" : null,
    "financeRefNo" : null,
    "errors" : null,
    "isPartnerIntegrationSkipped" : null,
    "partnerIntegrationSkippedStage" : null,
    "cancelErrors" : null
  } ],
  "grantType" : "client_credentials" }
```

### Response:

```
"data" : {
  "request_identification" : "85edd873-707f-48e7-af99-4229e161cf04"
}
```

## CANCELLATIONS

To cancel the Financing and Registration for the Invoices in the MonetaGo system.



SERVICE-CONSUMER = "OBSCFCM\_FINANCE\_DEDUPE"

SERVICE-CONSUMER-SERVICE= "CANCELLATIONS"

**Request:**

```
{
  "branchCode" : "004",
  "audience" : "https://api.uat.securefinancing.com",
  "clientId" : "77QdQGPI6aXS0aKY6bua2SgyyXIoxwjG",
  "isLoggingRequired" : false,
  "cancellationReason" : "EXNB",
  "clientSecret" :
    "442t9wuejDJANnZBZMYNJ_KCGDCZ-7VHAbagSeq8_o5oVNJeLIVy1g7dVvhnpUhN",
  "submitFinancialInstitutionId" :
    "3ac506ec-8b62-4eab-b4c3-0dead0bc9f21",
  "invoiceDetails" : [ {
    "id" : "1348705817760096256",
    "instrumentRefNo" : "INV0323",
    "isFinanced" : null,
    "partnerRegistrationIdentification" :
      "b44422a0-fa40-4098-a45b-c58934020586",
    "partnerInstrumentIdentification" :
      "2ece6a7c-4c65-4c4b-9689-ab72d5815ebf",
    "instrumentDedupStatus" : "FNCD",
    "eventDateTime" : 1741626955000,
    "matchingBlob" : null,
    "financeOrganization" : null,
    "finOrgFinancedAmount" : null,
    "event" : "Mark Finance Status",
    "partnerCancellationIdentification" : null,
    "partnerFinIdentification" :
      "ec7875f5-4ccb-4e62-8399-6104583837ea",
    "financeRefNo" : "004091122AM06767",
    "errors" : null,
    "isPartnerIntegrationSkipped" : null,
    "partnerIntegrationSkippedStage" : null,
    "cancelErrors" : null
  } ],
  "grantType" : "client_credentials"
}
```

**Response:**

```
"data" : {
  "cancellation_identification" :
    "9c5423a4-71e7-456e-be34-a284f4355828"
}
```

**CANCELLATIONS STATUS**

To check the status of the cancellation.

SERVICE-CONSUMER = "OBSCFCM\_FINANCE\_DEDUPE"

SERVICE-CONSUMER-SERVICE= "CANCELLATIONSSTATUS"

**Request:**

```
{
  "branchCode" : "004",
  "cancellationIdentification" : "9c5423a4-71e7-456e-be34-
a284f4355828",
  "audience" : "https://api.uat.securefinancing.com",
  "clientId" : "77QdQGPI6aXS0aKY6bua2SggyXIoxwjG",
  "isLoggingRequired" : false,
  "clientSecret" :
"442t9wuejDJANnZBZMYNJ_KCGDCZ-7VHAbagSeq8_o5oVNJeLIVy1g7dVvhnpuhN",
  "grantType" : "client_credentials" }
```

**Response:**

```
"data" : {
  "submitting_financial_institution_identification" :
"3ac506ec-8b62-4eab-b4c3-0dead0bc9f21",
  "cancellation_identification" : "f8404575-2f39-4b81-a22a-
c3c1b4a47e13",
  "cancellation_status_batch" : [
    {
      "request_identification" : "f8404575-2f39-4b81-a22a-
c3c1b4a47e13",
      "pool_identification" : "004160125INV195238",
      "batch_identification" : "d5e120e8-8ecb-497b-ac17-ca3308791560",
      "data_set_identification" : "0f8be134-
c63f-4507-8a81-0c3f313184d0",
      "submitter_data_set_identification" : "INV0141",
      "cancellation_reason" : "EXNB",
      "cancellation_status" : "REJT"
    } ],
  "error" : [ {
    "cancellation_status" : "REJT"
  } ]
}
```

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