

OBCL - FCUBS/ELCM/Payments Integration User Guide

Oracle Banking Corporate Lending
Release 14.7.0.0.0

Part Number F72087-01

November 2022

OBCL- FCUBS/ELCM/Payments Integration User Guide
November 2022
Oracle Financial Services Software Limited

Oracle Park

Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India
Worldwide Inquiries:
Phone: +91 22 6718 3000
Fax: +91 22 6718 3001
www.oracle.com/financialservices/

Copyright © 2007, 2022, Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Contents

1. Preface	1-1
1.1 Introduction.....	1-1
1.2 Audience.....	1-1
1.3 Documentation Accessibility.....	1-1
1.4 Organization	1-1
1.5 Acronyms and Abbreviations.....	1-2
1.6 Glossary of Icons.....	1-2
1.7 Related Information Sources	1-3
2. OBCL Integration	2-1
2.1 Common Core Maintenances.....	2-1
2.1.1 <i>Configuring Accounting System for Host Code</i>	2-1
2.1.2 <i>Maintaining Integration Parameters</i>	2-2
2.2 Oracle Lending and Loan Syndication module integration with CASA.....	2-6
2.2.1 <i>Scope</i>	2-6
2.2.2 <i>Integration Scope with FCUBS Co-deployed with OL and LS module</i>	2-6
2.2.3 <i>Integration Scope without FCUBS Co-deployed with OL and LS module</i> ..	2-6
2.2.4 <i>ECA handling scenarios for Corporate Loan Liquidation</i>	2-9
2.2.5 <i>Prerequisites</i>	2-11
2.2.6 <i>Prerequisites in Oracle Lending and Loan Syndication</i>	2-11
2.3 Integration Process of OL and LS module CASA.....	2-12
2.3.1 <i>Viewing ECA Queue Summary Details</i>	2-12
2.3.2 <i>Viewing External Accounting Log</i>	2-14
2.4 Integration with FCUBS for 360 Degree Customer View.....	2-15
2.4.1 <i>Summary Tab</i>	2-15
2.4.2 <i>Loans Tab</i>	2-16
2.4.3 <i>Component Details Button</i>	2-17
2.5 OBCL Integration with Payments for SWIFT messages.....	2-18
2.5.1 <i>Scope</i>	2-18
2.5.2 <i>Integration Process of OBCL and Payments</i>	2-18
2.6 OBCL - ELCM Integration.....	2-21
2.6.1 <i>Scope</i>	2-21
2.6.2 <i>Prerequisites</i>	2-21
2.6.3 <i>Integration Process of OL and ELCM</i>	2-21
2.6.4 <i>Viewing Service Log Details</i>	2-24
2.7 Common Integration Details Summary screen.....	2-25
2.8 OBCL Integration with FCUBS for EAC.....	2-26
2.8.1 <i>Scope</i>	2-27
2.8.2 <i>Prerequisites</i>	2-27
2.8.3 <i>Integration Process of EAC and Customer Status</i>	2-28
3. Annexure	3-1
3.1 Gateway Web Service	3-1
3.2 Limitations	3-1
3.3 SWIFT Messages Generated in Corporate Lending module.....	3-1
3.3.1 <i>MT103 (Customer Transfer) SWIFT message</i>	3-1
3.3.2 <i>MT202 (Bank Transfer) SWIFT message</i>	3-2
3.3.3 <i>MT103 with 202 COVER: Customer Transfer with Cover</i>	3-2

3.4	External Source Maintenances.....	3-4
4.	Function ID Glossary	4-1

1. Preface

1.1 Introduction

This document is designed to help acquaint you with the integration among Oracle FLEXCUBE products namely; Oracle FLEXCUBE Universal Banking Solutions and Oracle Banking Corporate Lending, Oracle FLEXCUBE Enterprise Limits Management, and Oracle Banking Payments.

Besides this user manual, while maintaining the interface related details, you can invoke the context sensitive help available for each field. This help describes the purpose of each field within a screen. You can obtain this information by placing the cursor on the relevant field and pressing the <F1> key on the keyboard.

1.2 Audience

This manual is intended for the following User/User Roles:

Role	Function
Back office data entry Clerks	Input functions for maintenance related to the interface
Back office Managers/Officers	Authorization functions
End of day operators	Processing during end of day/ beginning of day
Implementation Partners	Provide customization, configuration and implementation services

1.3 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>.

1.4 Organization

This manual is organized into the following chapters:

Chapter	Description
Chapter 1	<i>Preface</i> gives information on the intended audience. It also lists the various chapters covered in this User Manual.
Chapter 2	<i>Oracle OBCL Integration</i> explains the integration between Oracle Banking Corporate Lending, Oracle FLEXCUBE Universal Banking, Oracle FLEXCUBE Enterprise Limits Management, and Oracle Banking Payments systems.
Chapter 3	<i>Annexure</i> provides the details of data exchange and further reference sources.
Chapter 4	<i>Function ID Glossary</i> has alphabetical listing of Function/Screen ID's used in the module with page references for quick navigation.

1.5 Acronyms and Abbreviations

Abbreviation	Description
AC	Accounting
CASA	Current and Savings Account
DDA System	System that holds the CASA account and balances
EAC	External Account Check
ECA	External Credit Approval
ELCM	Enterprise Limits and Collateral Management
EOD	End Of Day
FCUBS	Oracle FLEXCUBE Universal Banking
FCY	Foreign Currency amount
GL	General Ledger
ISB GL	Inter System Bridge GL
JNDI	Java Naming and Directory Interface
LCY	Local Currency amount
LS	Loan Syndication
OBCL	Oracle Banking Corporate Lending
OL	Oracle Lending
ROFC	Rest of Oracle FLEXCUBE
System	Unless and otherwise specified, it shall always refer to Oracle FLEX-CUBE Universal Banking Solutions system
SWIFT	Society for Worldwide Interbank Financial Telecommunication
XML	Extensible Markup Language

1.6 Glossary of Icons

This user manual may refer to all or some of the following icons.

Icons	Function
	Exit
	Add row
	Delete row
	Option List

1.7 **Related Information Sources**

Along with this user manual, you may also refer to the following related sources:

- Gateway web service documents

2. OBCL Integration

2.1 Common Core Maintenances

The following are the common core maintenance that needs to be completed for FCUBS, Payments, and ELCM systems integration.

- [Section 2.1.1, "Configuring Accounting System for Host Code"](#)
- [Section 2.1.2, "Maintaining Integration Parameters"](#)

2.1.1 Configuring Accounting System for Host Code

You can configure the accounting system using host code in the 'Host Parameter' screen.

To invoke this screen, type 'PIDHSTMT' in the field at the top right corner of the application toolbar and click the adjoining arrow button.

Host Parameter

New Enter Query

Host Code *

Host Description

Accounting System Code

Payment System

ELCM System

OBCL Integration System

Maker Date Time: Mod No Record Status

Checker Date Time: Authorization Status

Exit

Specify the following details

Host Code

Specify the host code.

Host Description

Specify the brief description for the host.

Accounting System Code

Specify the accounting system code.

Payment System

Specify the payment system.

ELCM System

Specify the ELCM system.

OBCL Integration System

Specify the external system. For example, OLINTSYS

2.1.2 Maintaining Integration Parameters

You have to maintain integration parameters for 'External LOV' and 'ELCM/Payment/OL Utilization'. This maintenance must be done for all branches. This maintenance is done through 'Integration Parameters Maintenance' screen.

To invoke this screen, type 'IFDINPRM' in the field at the top right corner of the application toolbar and click the adjoining arrow button.

Example of Integration Parameter Maintenance screen for Payments

Integration Parameters Maintenance

New Copy Close Unlock Print Enter Query

Branch Code * HEL
Description FLEXCUBE
UNIVERSAL BANK

External System * INTBANKING
Description Payment System

Offset Transaction Code
Description
Offset Amount Tag
Description

Amount Block Validation Required
Offset Required
Offset Netting Required
Allow Force Post

External User GWOFCLUSR

1 Of 1 Go

Service Name	Communication Channel	Communication Mode	Communication Layer	WS Service Name	WS Port	WS Endpoint URL	WS User	WS Pass
PMSinglePaymentService	CUSTOM	SYNCHRONOUS	Application	PMSinglePaymentService		http://10.184.155.74:7020/PMWeb/PMSinglePaymentService	GWOFCLUSR	

Maker SAURA2 Date Time: 2017-09-15 17:34:53 Mod No 2 Record Status Open
Checker SAURA1 Date Time: 2017-04-01 17:35:19 Authorization Status Authorized

Ok Exit

Example of Integration Parameter Maintenance screen for ELCM

Integration Parameters Maintenance

New Copy Close Unlock Print Enter Query

Branch Code * ALL
Description ANY BRANCH
External System * OLELCM
Description OLELCM
Offset Transaction Code
Description
Offset Amount Tag
Description

Amount Block Validation Required
Offset Required
Offset Netting Required
Allow Force Post
External User BALL_01

1 Of 1 Go

☐	Service Name	Communication Channel	Communication Mode	Communication Layer	WS Service Name	WS Port	WS Endpoint URL	WS User
☒	ELUtilizationService	CUSTOM	ASYNCHRONOUS	Application	ELUtilizationService		http://otss2311694.in.oracle.com:9085/FCUBS-ELCMWeb/ELUtilizationService?WSDL	
☐	ExtLovService	REST	ASYNCHRONOUS	Application				

Maker A34852
Checker M34852

Date Time: 2017-04-01 12:29:59
Date Time: 2017-04-01 12:31:12

Mod No 11
Record Status Open
Authorization Authorized Status

Ok Exit

Example of Integration Parameter Maintenance screen for OBCL

Integration Parameters Maintenance

New Copy Close Unlock Print Enter Query

Branch Code * ALL
Description ANY BRANCH

External System * OLINTSYS
Description OLINTSYS

Offset Transaction Code
Description

Offset Amount Tag
Description

Amount Block Validation Required
Offset Required
Offset Netting Required
Allow Force Post

External User BALLI_01

Service Name	Communication Channel	Communication Mode	Communication Layer	WS Service Name	WS Port	WS Endpoint URL	WS User
☒ ELUtilizationService	CUSTOM	ASYNCHRONOUS	Application	ELUtilizationService		http://10.184.152.157:7095/FCUBS-ELCMWeb/ELUtilizationService?WSDL	
☐ FCUBSCAService	CUSTOM	ASYNCHRONOUS	Application	FCUBSCAService		http://10.184.152.157:7095/FCUBSCAService/FCUBSCAService?WSDL	
☐ FCUBSIFService	CUSTOM	ASYNCHRONOUS	Application	FCUBSIFService		http://10.184.152.157:7095/FCUBSIFService	SYSTEM

Maker M34852 Date Time: 2015-04-01 16:48:15 Mod No 3 Record Status Open
Checker A34852 Date Time: 2015-04-01 16:49:18 Authorization Status Authorized

Ok

You can specify the following fields in this screen:

Branch Code

Select the branch code for which the parameters are to be maintained from the adjoining option list.

Description

A brief description of the branch code is displayed.

External System

Select the external system for which the parameters are to be maintained, from the adjoining option list.

Description

A brief description of the external system is displayed.

Offset Transaction Code

Select a transaction code for the offset entry from the adjoining option list. The adjoining option list displays all valid transaction codes available in the system. You can select the appropriate one

Offset Amount Tag

Select an amount tag for the offset entry from the adjoining option list. The adjoining option list displays all valid amount tag available in the system. You can select the appropriate one

Amount Block Validation

Select this check box to validate the amount block. If the amount block reference number is sent with the transaction details then the accounting will be invoked after the release of amount block.

Offset Required

Select this check box if an offset entry is required. If this check box is selected, then ISB GL will be resolved based on branch, currency, function id and external system. If the check box is not selected, then it is expected that external system sends the balanced entry

Offset Netting Required

Select this check box if offset netting entry is required. If this check box is selected, then the consolidated entries will be built. Offset amount tag is picked from the maintenances. If this check box is not selected, then individual entries are built.

Allow Force Post

Select this check box to suppress all the overrides after posting transactions.

You need to maintain the integration parameters for the following:

- External Lov – ExtLovService
- ELCM Utilization/Payments/OBCL – ELUtilizationService/PMSinglePaymentService/FCUBSCAService

External Lov

- External System - External system name is specified here. For example, OLELCM, INTBANKING for Payments, and OLINTSYS for OBCL.
- Service Name – The service name for which the maintenance is done. For example, ELUtilizationService for ELCM, ExtLovService for External LovExtLovService, and PMSinglePaymentService for Payments, and FCUBSCAService for OBCL.
- Communication Channel – The communication channel like REST, CUSTOM, WEB SERVICE, and so on are specified here.
- Communication Mode – The communication mode can be SYNC/ASYN.

Note

Rest Service need not be maintained for OBCL.

- Rest Service IP – You have to maintain the IP address. For example, ELCM IP, Payment IP.
- Rest Service Port – You have to maintain port details. For example, ELCM Port, Payment Port.
- Rest Service Pattern - You have to maintain rest service pattern. For example, LovService
- Rest Service Context – You have to maintain rest service context. For example, FCJNeoWeb
- External User - ELCM/Payment/OBCL user should have access to all branches and autoauth

ELCM Utilization/Payment/OBCL

- External System - External system name is specified here. For example, OLELCM.
- Service Name – The service name for which the maintenance is done. For example, ELUtilizationService for ELCM, ExtLovService for External LovExtLovService and PMSinglePaymentService for Payments.
- Communication Channel – The communication channel like REST, CUSTOM, WEB SERVICE, and so on are specified here.

- Communication Mode – The communication mode can be SYNC/ASYN.
- WS Service Name – The service name needs to be maintained here. For example, ELUtilizationService, PMSinglePaymentService, and FCUBSCAService.
- WS Endpoint URL – The WSDL of the services are maintained here. For example, ELCM utilization/Payment/CA service WSDL link
- WS User – ELCM/Payment user should have access to all branches and autoauth.
- External User - ELCM/Payment/OBCL user should have access to all branches and autoauth.

2.2 Oracle Lending and Loan Syndication module integration with CASA

The integration of OLand LS module with CASA enables banks to do the following:

- Auto Liquidation
- Manual Liquidation
- Auto Rollover
- Manual Rollover

This chapter contains the following sections:

- [Section 2.2.1, "Scope"](#)
- [Section 2.2.2, "Integration Scope with FCUBS Co-deployed with OL and LS module"](#)
- [Section 2.2.3, "Integration Scope without FCUBS Co-deployed with OL and LS module"](#)
- [Section 2.2.4, "ECA handling scenarios for Corporate Loan Liquidation"](#)
- [Section 2.2.5, "Prerequisites"](#)
- [Section 2.2.6, "Prerequisites in Oracle Lending and Loan Syndication"](#)

2.2.1 Scope

This section describes the activities that take place in each system and its impact on the other.

This section contains the following topics:

- [Section 2.2.2, "Integration Scope with FCUBS Co-deployed with OL and LS module"](#)
- [Section 2.2.3, "Integration Scope without FCUBS Co-deployed with OL and LS module"](#)

2.2.2 Integration Scope with FCUBS Co-deployed with OL and LS module

If FCUBS is co-deployed with OL and LS module, then web service call is used to check the available balance.

2.2.3 Integration Scope without FCUBS Co-deployed with OL and LS module

The following are the integration activities that take place in Oracle Corporate Lending.

ECA Request for Auto Liquidation

- As part of loans batch process, amount due for liquidation for a contract must be sent to the DDA system for approval (ECA_CHECK_REQD parameter maintained in

cstb_param table and verify funds flag at contract level). Only after receiving an approval from the DDA system, the system proceeds with liquidation of the schedule.

- OL and LS module should send a consolidate request to the ECA one for each contract. As the settlement account is configured for each component in Corporate Lending, multiple settlement accounts for a contract is possible. OL and LS module for a due date should group the total amount due from each account and generate one ECA request for a contract and due date.
- The due amount when sent as part of ECA request should be in account currency.
- As part of the ECA request, OL and LS module should send the following additional preferences configured at a contract / product level.
 - Partial Liquidation Allowed (PARTIAL_BLOCK_REQUIRED): If the flag is set as 'N', then ECA system should send a fail approval in case the total amount requested is not available in the account.
- In case of multiple schedules that are due from the customer as part of Auto Liquidation, OL and LS system should place a ECA request for the earliest schedule due from the customer. Only when the schedule is completely settled and processed in OL system, request for next schedule should be placed.
- First process in OL and LS batch would compute the amount due for a schedule as part of Auto liquidation and place the request into ECA table with the current status as 'Unprocessed'. A Java program would constantly poll the table for any unprocessed records and transform the records into an ECA request XML and place the same into a IN queue of the external system configured.
- Upon receipt of any response from the DDA system in the OUT queue of OL and LS module, the response would be parsed by the JAVA program and update the status response status (Approved/Rejected) in OLTB_ECA_REQ_MASTER and OLTB_ECA_REQ_DETAIL table.
- When ECA block is successfully created on the accounts (Partial / Full), liquidation happens in OL and LS module and perform OL and LS accounting with handoff status as 'N'.
- ECA request for auto liquidation should not be created when future dated payment is requested for the same contract. ECA request for auto liquidation should not be created from OL and LS module where GL is chosen as settlement account. For example, for a contract having Principal and Interest as components and GL is chosen as a settlement account then no ECA request should be created by OL and LS module. However, if GL is chosen only for Interest and for Principal a valid customer account is chosen as settlement account, then ECA request should be created only for Principal component.
- When Auto Liquidation process is run for more than one day as part of EOD processing (due to holiday settings), then Auto liquidation for the schedules that are due for a day can be processed only after Auto liquidation is processed successfully for the preceding day.
- In a situation where ECA block is successful, but subsequent processing in OL and LS module fails auto retry mechanism should be available in OL and LS module.

ECA Handling during Auto Rollover

- For contract marked for Auto Rollover, after EOD process of Auto Liquidation, a new sub-process 'AROLL' is introduced to process Auto Rollover on processing date

ECA Handling for Manual liquidation

- After you capture the necessary payment details and click 'Save', OL and LS module should place an ECA request for the amount requested for the payment.

- There should be an additional field in the payment screen to display the ECA process status. This should display the status of the ECA request.
- When the ECA request is approved by the DDA system, it needs to be manually authorized. Hence, manual payment is deleted for unauthorized contract, an undo ECA should be sent to the DDA system.
- OL and LS module should process the payment request and update the cashflow tables and post liquidation entries as part of back ground process and payment status will be in unauthorized state.
- Authorisation of payment is possible only after the liquidation process is completed and entries are posted.
- Similarly OL and LS module should generate reversal entries upon reversal of loan payment. In case where actual accounting to DDA system is not generated post ECA approval, OL and LS module should generate both actual entries for liquidation with block number and its reversal.

Actions	System Response
After logging payment in ECA queue for approval, if you try to delete the payment before getting the response, then the status is W.	The system should undo ECA if it gets approved response (Reconciliation mechanism)
After getting ECA response as 'Approved', if you try to delete the payment	The system should undo ECA with the approved block number

ECA Handling for Manual Rollover

- After you initiate the rollover (Normal/Consol/Split) through application, OL module should place an ELCM request (if any limits are linked to the contract) for the amount to be debited from customer.
- After success response from the ELCM system, the system allows you to authorize the rollover. In case where actual accounting to DDA system is not happened post ECA approval, OL and LS module should generate both actual entries for roll event with block number to release from DDA system.

Account Interface and Handoff

- For CASA, where debit happened excluding force debit components, have the block number in the daily log table.
- As part of accounting interface OL and LS module should hold two handoff status, one to indicate whether the customer account related entries handoff to DDA system and another to indicate GL entries handoff to GL system.
- External Account Check (EAC) is done wherever the credit happens to CASA account to avoid failure in external system side (Check for No credit, No debit, Frozen, Deceased)
- Java poller constantly polls the daily log table and pick the records which are authorized and handoff yet to be done. It then generates the accounting request with necessary details and put in IN queue. After getting successful response from external system, handoff status is changed. If anything failed while giving external handoff, external system throws a proper exception code and same has been logged in OL and LS side.

Debit request+ <ECAREFNO>	ECA Block is released
Debit request	Amount is debited from with-drawable balance

- Credit and Debit advice should be generated only after the feedback from the DDA system after posting entries to the customer account.
- OL and LS module should be capable to handoff the entries online by generating XML request as well as handoff entries through batch process at regular intervals during the day.

Force debit Components

Tax, Fee and charge which are associated with liquidation/rollover event is debited from the account without ECA.

Forward Liquidation

- As part of loans batch process, amount requested (From payment screen) for liquidation of a contract must be sent to the DDA system for approval (ECA_CHECK_REQD parameter maintained at cstb_param, Branch Param, and CASA level table and verify funds flag at contract level). Only after receiving an approval from the DDA system, the system proceeds with liquidation of the schedule.
- First process in OL and LS batch(for Fwd liquidation) ,would compute the requested amount for a contract and place the request into ECA table with the current status as 'Unprocessed'. A Java program would constantly poll the table for any unprocessed records and transform the records into an ECA request XML and place the same into a IN queue of the external system configured.
- Upon receipt of any response from the DDA system in the OUT queue of OL and LS module, the response would be parsed by the JAVA program and update the status response status (Approved/Rejected) in OLTB_ECA_REQ_MASTER and OLTB_ECA_REQ_DETAIL table.
- When ECA block is successfully created on the accounts (Full), liquidation happens in OL module and perform OL accounting with handoff status as 'No'.
- ECA request for liquidation should not be created from OL and LS module where GL is chosen as settlement account. For example, for a contract having Principal and Interest as components and GL is chosen as a settlement account then no ECA request should be created by OL and LS module. However, if GL is chosen only for Interest and for Principal a valid customer account is chosen as settlement account, then ECA request should be created only for Principal component.
- In a situation where ECA block is successful, but subsequent processing in OL and LS module fails auto retry mechanism should be available in OL and LS module.

2.2.4 ECA handling scenarios for Corporate Loan Liquidation

This section contains the following topics:

- [Section 2.2.4.1, "Single CASA Account with Full liquidation"](#)
- [Section 2.2.4.2, "Different CASA Account with Full Liquidation"](#)
- [Section 2.2.4.3, "GL Account used for Liquidation"](#)
- [Section 2.2.4.4, "One CASA and GL Account used for Liquidation"](#)
- [Section 2.2.4.5, "Single CASA Account with Partial Liquidation"](#)
- [Section 2.2.4.6, "Manual Liquidation with Single CASA or Multiple CASA Account"](#)

2.2.4.1 Single CASA Account with Full liquidation

Component	Amount Due	Account	ECA Approved Amount
Principal	50000	CASA1	50000
Interest	10000	CASA1	10000

2.2.4.2 Different CASA Account with Full Liquidation

In this case OL and LS module generates a single ECA request that contain details amount due from two accounts.

Component	Amount Due	Account	ECA Approved Amount
Principal	50000	CASA1	50000
Interest	10000	CASA2	10000

2.2.4.3 GL Account used for Liquidation

In this case request is not sent to ECA system, however it is marked as approved by OL and LS module in ECA tables and it proceeds with liquidation processing.

Component	Amount Due	Account	ECA Approved Amount
Principal	50000	GL1	50000
Interest	10000	GL2	10000

2.2.4.4 One CASA and GL Account used for Liquidation

In this ECA request is sent only for CASA account and the GL it is marked as approved automatically. Liquidation processing happens irrespective of whether the ECA request is successful for the CASA account.

Component	Amount Due	Account	ECA Approved Amount
Principal	50000	CASA	50000
Interest	10000	GL1	10000

2.2.4.5 Single CASA Account with Partial Liquidation

In this case, the system proceeds with allocating the approved amount based on liquidation order specified at the product level.

Component	Amount Due	Account	ECA Approved Amount
Principal	50000	CASA1	50000
Interest	10000	CASA1	10000

2.2.4.6 Manual Liquidation with Single CASA or Multiple CASA Account

In this case ECA request is sent with Partial allowed as 'N', hence the request is marked as failure if the full amount requested is not available.

Component	Amount Due	Account	ECA Approved Amount
Principal	50000	CASA1	50000
Interest	10000	CASA1	10000

2.2.5 Prerequisites

This section contains the following topics:

- [Section 2.2.6, "Prerequisites in Oracle Lending and Loan Syndication"](#)

2.2.6 Prerequisites in Oracle Lending and Loan Syndication

The prerequisites for this integration are as follows.

2.2.6.1 Parameter Setup

- If HANDOFF_TYPE value is 'SYNC' in CSTB_PARAM table, then the balance check is performed using API or dynamic call.
- If HANDOFF_TYPE value is 'ASYNCR' in CSTB_PARAM table, then the consolidated amount to be requested is logged in ECA tables. Further processing, is performed by job.
- ECA_CHECK_REQD should be 'YES' in CSTB_PARAM table for standalone system.

2.2.6.2 Maintenances

Complete the following maintenances in Oracle Banking Corporate Lending to enable the integration.

Queue Name	Purpose
ECA_REQ_OUT	Request to external system
ECA_RES_IN	Response from external system

Table Name	Purpose
COTB_ECA_QUEUE	ECA request details
COTB_ECA_QUEUE_DETAIL	ECA request components details

Note

The following data in OL and LS module must be in sync with those maintained in external system.

- Branch
 - Contract Reference Number
 - Account number
 - Currency
 - Dr/Cr
-

2.3 Integration Process of OL and LS module CASA

This section contains the following topics:

- [Section 2.3.1, "Viewing ECA Queue Summary Details"](#)
- [Section 2.3.2, "Viewing External Accounting Log"](#)

2.3.1 Viewing ECA Queue Summary Details

ECA Queue Summary screen contains details on the transactions between OL/LS and external system.

To invoke this screen, type PISECAQU' in the field at the top right corner of the application toolbar and click the adjoining arrow button.

ECA Status View

Search Reset Clear All

Case Sensitive

Contract Reference Number		Queue Reference Number		Transaction Reference Number	
Branch Code		Module		Current Status	
Response Status		Debit Account No			

Records per page: < 1 Of 1 > Go Lock Columns:

Contract Reference Number	Queue Reference Number	Transaction Reference Number	Branch Code	Module	Current Status	Current Status Description	Response Status	Response Status Description

< Resend | Approve | Cancel

Exit

You can search records based on the following parameters:

- Transaction Reference No
- Network code
- ECA Amount
- Customer No
- Requested Date
- Authorization Status
- Cross Border Contract Reference Number
- Activation Date
- File Reference Number
- Payment Transaction Type
- ECA Currency
- Current Status
- Response Date
- Maker Id
- Payment Type
- Customer Service Model
- Queue Reference No
- Transaction Branch
- Module
- Response Status
- ECA System Code

- Checker Id
- Source Code

Click 'Search' button with or without entering any of the above search parameters. All records matching the search criteria are displayed. To view a particular record double-click on the desired record displayed in the list of records. The details pertaining to each record is displayed.

2.3.2 Viewing External Accounting Log

'External Accounting Log' screen contains OL/LS transaction details with External Accounting System linkage.

To invoke this screen, type 'OLSEACLG' in the field at the top right corner of the application toolbar and click the adjoining arrow button.

In this screen, you can view the request sent from OL and LS module and view the response (received for the request sent) from the External Accounting System.

You can search records based on the following parameters:

- External Reference Number
- Branch
- External Accounting System
- Operation Code
- Process Status
- Message Reference Number

Click 'Search' button with or without entering any of the above search parameters. All records matching the search criteria are displayed. To view a particular record double-click on the desired record displayed in the list of records. The details pertaining to each record is displayed.

2.4 Integration with FCUBS for 360 Degree Customer View

Using 360 Degree Customer View, you can query customer limits, account statements, view settlement balances contracts, view assets and liability balances, view loans, commitments and syndication contract details of the customer. You can also view summary of loans, commitments and syndication contract details of the customer. The 360 degree customer view facilitates easy and total view of the customer details and reduces customer service complexities.

FCUBS pulls the required data from OBCL by using the below operation code.

- Service Name : FCUBSOLService
- New Operation : QueryCorpCustview

2.4.1 Summary Tab

The 'Summary' tab displays the OBCL loan contracts of the selected customers along with the details.

360 Degree Corporate Customer View

Enter Query

Customer Number * 004624 Short Name TATA TEA Reporting Currency GBP
Branch 000 Full Name TATA TEA [Reports](#)

Summary Profile Accounts Summary Limits Retail Bills Loans Trade Treasury Events Schemes Alerts Is-Deposits Is-Financing Is-Trade Is-Treasury External Products Investor Fund Details FLL Loan

Prefix

Address For Correspondence

Name TATA TEA
Address 1 qvr
Address 2 null
Address 3 null
Address 4 null
Pin Code 12
Telephone
Fax
Email qvr@aw.com

Balance Sheet Asset And Liabilities

Asset	Currency	Value	Liability	Currency	Value
☒ Current Account Overdrawn	GBP	0.00	Savings Accounts	GBP	224,656.00
☐ Oracle Lending	GBP	34,220,616,200.00	Current Accounts	GBP	0.00
☐ Mortgages	GBP	0.00	Term Deposits	GBP	0.00
☐ Leasing	GBP	0.00	Corporate Deposits	GBP	0.00
☐ Syndicated Loans	GBP	0.00	Islamic Savings Accounts	GBP	0.00
			Islamic Current		

Status

Frozen
Deceased
Whereabouts Unknown
KYC Status Yet To Verify
CIF Status
Since
Credit Rating
Customer Category CORPORATE
Charge Group
Tax Group

Off Balance Sheet Asset And Liabilities

Asset	Currency	Value	Liability	Currency	Value
☒ Non Utilized Limit	GBP	0.00	Retail Bills	GBP	0.00
☐ Commitment	GBP	0.00			
☐ Total Asset	GBP	0.00	Total Liability	GBP	0.00

[Exit](#)

2.4.2 Loans Tab

In an FCUBS – OBCL integrated environment, click 'Loans' tab in '360 degree customer view' screen to view the details for OBCL contracts in Loan details/Commitment and Syndicate Loan Details block for the selected customer.

360 Degree Corporate Customer View

Enter Query

Customer Number * 004624 Short Name TATA TEA Reporting Currency GBP
Branch 000 Full Name TATA TEA [Reports](#)

Summary | Profile | Accounts Summary | Limits | Retail Bills | **Loans** | Trade | Treasury | Events | Schemes | Alerts | Is-Deposits | Is-Financing | Is-Trade | Is-Treasury | External Products | Investor Fund Details | FLL Loan

Summary of Loans

Total Commitment Amount	0.00
Total Ordinary Loan	1,167,700.00
Total Mortgage Amount	0.00
Total Syndicated Loan	0.00
Total Leasing Amount	0.00

Loan Details

1 Of 1 [Go](#)

☒ Details	Branch Code	Product Code	Account Number	Description	Currency	Amount Financed	Amount Disbursed	Outstanding Amount	Book Date
☒ Details	000	RET9	000RET9170911004		GBP	1,167,700.00	1,167,700.00	1,167,700.00	2017-04-01

Commitment Details

1 Of 1 [Go](#)

☐ Details	Branch Code	Product Code	Account Number	Description	Currency	Amount Financed	Amount Disbursed	Outstanding Amount
----------------------------------	-------------	--------------	----------------	-------------	----------	-----------------	------------------	--------------------

[Component Details](#)

The loans details are classified as follows:

- Commitment Details
- Loan Details
- Mortgage
- Leasing
- Syndicate Loans details

Under each of the loan details, the system displays the following:

- Branch Code
- Account Number
- Description
- Currency
- Amount Financed
- Amount Disbursed
- Outstanding Amount
- Book Date
- Value date
- Maturity Date
- Product Code
- Account Status
- User Defined Status

2.4.3 Component Details Button

You can view details about the components linked to an account in the 'Component Details' screen. You can invoke this screen by clicking the 'Component Details' button in the '360 Degree Retail Customer View' screen.

Component Name	Component Currency	Expected	Overdue	Out Standing	Advance	Latest
----------------	--------------------	----------	---------	--------------	---------	--------

Settlement Currency	Component Name	Schedule Due Date	Due Amount	Settled Amount	Equated monthly installment Amount
---------------------	----------------	-------------------	------------	----------------	------------------------------------

You can view the following component details:

- Component Name
- Component Currency
- Expected – the system displays the amount which is not due for the present date. This amount is arrived during querying.
- Overdue – – the system displays the amount which is not overdue for the present date. This amount is arrived during querying
- Outstanding – the system displays the amount which is due for the present date. This amount is arrived during querying.
- Advance – the system displays the amount pre paid for a component as on the present date. This amount is arrived during querying.
- Latest Interest rate – the system display the current interest rate only for main interest component.
- Number of Days Overdue.

Here you can view the following:

- Component Name
- Schedule Due Date
- Due amount
- Settled Amount
- EMI Amount
- Accrued Amount

2.5 **OBCL Integration with Payments for SWIFT messages**

The integration between Oracle Banking Corporate Lending and Oracle Banking Payments enables you to generate SWIFT messages (MT103 and MT202) for Corporate Lending through Payments module.

2.5.1 **Scope**

SWIFT payment message MT103 and MT202 are supported. If transfer type is 'Customer Transfer', then MT103 payment message is generated. If transfer type is Bank Transfer, then MT202 payment message is generated.

2.5.2 **Integration Process of OBCL and Payments**

For OL/LS with Payments integration, you need to perform the following:

- In Branch Parameters Details screen (OLDBRMNT), 'Generate MT103' check box needs to be selected.
- In Settlement Instructions Maintenance (LBDINSTR), 'Transfer By Pay' or 'Transfer By Recv' needs to be selected as 'BANK' or 'CUSTOMER'. In case of 'BANK', MT202 SWIFT message is generated at Payments module. In case of 'CUSTOMER', MT103 SWIFT message is generated at Payments module.
- OBCL initiates web services call, that is, PMSinglePaymentService call for cross-border outgoing SWIFT transactions. These outgoing SWIFT transactions are processed by Payments module. The payment module generates MT103 and MT202/MT202Cover SWIFT messages.
- The system allows the cancellation request to be passed to OBPM when the loan contract is reversed from OBCL. The service "PMOutTxnReversalService" is called from OBCL to pass the cancellation request and after the contract gets reversed in OBPM, the payment system sends the reversal handoff notification to OBCL to pass the actual reversal entries. Thus, the cancellation message (MTn92) from OBPM is supported. A new batch job is introduced that allows the payment message request to be passed to OBPM for the future dated loan contracts/Value Dated Amendments for any principal increase originated from OBCL considering the settlement generation days. Service "PMSinglePayOutService" is called from OBCL to pass the future dated request and after the transaction gets processed in OBPM, the payment system sends the payment message on SGEN date itself. Hence, generation of future dated Payment messages (MT103/MT202) from OBCL is supported.

In Loan Syndication, SWIFT messages are triggered based on the components like PRINCIPAL, INT_LIQD, and FEE_LIQD.

For Loans - Payments integration, beneficiary charges on payment is sent as part of Single Payout Service (SPS OUT) and also accounting entries are displayed that are handed off from OBPM in Contract Online Screen (Events > Accounting Entries tab).

This section contains the following topics:

- [Section 2.5.2.1, "Processing of Outgoing SWIFT Messages"](#)
- [Section 2.5.2.2, "Viewing Payment Integration Request/Response Messages"](#)
- [Section 2.5.2.3, "Maintaining ISB GL"](#)

2.5.2.1 **Processing of Outgoing SWIFT Messages**

Steps involved in processing of outgoing SWIFT messages.

- On save of the contract, the system checks if SWIFT messages are generated and Inter System Bridge GL (ISB GL) maintenance is available.
- Instead of posting accounting entries to settlement account, the system posts accounting entries to ISB GL.
- On authorization, the system populates SWIFT related details to staging table. Job runs on the table and pick these records. These details are sent to Payments module.
- Once the request is received, Payments module sends the response with confirmation.
- Payments module sends communication to OBCL for each of these actions.
- Using same service, Payments module sends SWIFT messages ACK/NACK accordingly. Once SWIFT message is received, OBCL populates the daily out message table.
- After OBPM hand off, the accounting entries are shown in “Accounting Entries” sub screen of Contract and Commitment - Contract Input’ screen (OLDTRONL). The “Accounting System” field shows either ‘Loans’ or ‘Payments’. The accounting entry passed after OBPM hand off is - debit inter bridge GL account and credit customer settlement account.
- You can view these messages in ‘Payment Outgoing Browser’ screen.

2.5.2.2 Viewing Payment Integration Request/Response Messages

You can view Oracle Lending and Loan Syndication contracts with payment integration in ‘Payment Outgoing Browser’ screen.

To invoke this screen, type ‘OLSPMTBR’ in the field at the top right corner of the application toolbar and click the adjoining arrow button.

In this screen, you can view the request sent from Oracle Lending/Loan Syndication module and view the response (received for the request sent) from the Payments module.

Payment Outgoing Browser

Search Advanced Search Reset Clear All

Case Sensitive

Queue Reference Number 

Contract Reference 

Value Date 

Process Seq No 

Process Status 

Event Code 

Records per page 15  1 Of 1  Go Lock Columns 0 

	Queue Reference Number	Process Seq No	Contract Reference	Process Status	Value Date	Event Code
						
						
						
						
						
						
						
						
						
						

Request | Response

Exit

You can search records based on the following parameters:

- Queue Reference Number
- Sequence Number
- Contract Reference
- Process Status
- Value Date
- Event Code

Click 'Search' button with or without entering any of the above search parameters. All records matching the search criteria are displayed. To view a particular record double-click on the desired record displayed in the list of records. The details pertaining to each record is displayed.

Note

To search outgoing payment details, for LB side use DD Contract Reference Number and for LP side use Contract Reference Number

2.5.2.3 Maintaining ISB GL

You can invoke the 'ISB GL Maintenance' screen by typing 'OLDISBGL' in the field at the top right corner of the application tool bar and by clicking the adjoining arrow button.

ISB GL Maintenance

New Enter Query

External System *

Description

Module Id *

Description

Transaction Currency *

Description

Transaction Branch *

Description

Product Code *

Description

Function *

Description

ISB GL *

Description

Maker Date Time: Mod No Record Status

Checker Date Time: Authorization Status

Exit

You can specify the following field information in this screen. A brief description of each value updated in the fields appearing in this screen, is displayed by the system.

External System

Select the external system from the adjoining option list.

Module ID

Select a valid module code from the adjoining option list.

Transaction Currency

Select a valid currency code from the adjoining option list.

Transaction Branch

Select a valid transaction branch code from the adjoining option list

Product Code

Select a valid product code from the adjoining option list.

Function ID

Select a valid function ID from the adjoining option list.

ISB GL

Select a leaf General Ledger from the adjoining option list.

2.6 OBCL - ELCM Integration

The integration between OBCL and ELCM enables you to view the Oracle Lending and Loan Syndication contracts with ELCM linkage in a sync or async mode.

2.6.1 Scope

If you are booking a Oracle Lending and Loan Syndication contracts with ELCM linkage in a sync or async mode, the OLTB_REQ_MASTER table is updated with records. You can view these records in the External Limit Summary screen.

2.6.2 Prerequisites

OLTB_REQ_MASTER table must have value.

2.6.3 Integration Process of OL and ELCM

Forward Init

As part of loan batch process for contract marked for initiation on processing date, the system picks and processes the 'FWDINIT' on processing date. After processing 'FWDINIT', the system sends a request to ELCM system (if any limits are linked to contract) for Utilization of contract amount.

After success response from the ELCM system, the system authorizes the 'FWDINIT' process. For failure response from ELCM system, the system roll backs the 'FWDINIT' process (after roll back contract details are logged into exception table)

Forward VAMI

As part of loan batch process for contract marked for VAMI on processing date, the system picks and processes the 'FWDVAMI' on processing date. After processing FWDVAMI, the system sends a request to ELCM system (If any limits are linked to contract) for Utilization/De-Utilization of contract amount.

After success response from the ELCM system, the system authorizes the VAMI process. For failure response from ELCM system, the system roll backs the FWDVAMI process (after roll back contract details are logged into exception table)

Auto Liquidation and Forward Liquidation

As part of loan batch process for contract marked for Liquidation on processing date, the system picks and processes the liquidation on processing date. After processing the system sends a request to ELCM system (If any limits are linked to contract) for Utilization/De-Utilization of contract amount.

After success response from the ELCM system, the system completes the liquidation process. For failure response from ELCM system, the system roll backs the liquidation process (after roll back contract details are logged into exception table)

ACCRUAL

As part of loan batch process for contract marked for 'ACCRUAL' on processing date, the system picks and processes the 'ACCRUAL' process on processing date. After processing accrual process, the system sends a request to ELCM system (If any limits are linked to contract) for Utilization/De-Utilization of contract amount.

After success response from the ELCM system, the system authorizes the accrual process. For failure response from ELCM system, the system roll backs the 'ACCRUAL' process (after roll back contract details are logged into exception table).

2.6.3.1 Viewing External Limit Summary Details

External Limit Summary screen contains details of the Oracle Lending and Loan Syndication transactions with ELCM linkage.

You can approve, resend, reject, and authorize the Oracle Lending and Loan Syndication transactions using this screen.

To invoke this screen, type 'OLSEXLMT' in the field at the top right corner of the application toolbar and click the adjoining arrow button.

You can search records based on the following parameters:

- Branch Code
- User Reference Number
- Message ID
- Process Sequence Number
- Process Status
- External Status
- Destination Source
- Request Type
- Communication Mode
- Forceprocess
- Service Code
- Logtime
- Authorization Status
- Maker ID
- Maker Date Stamp
- Checker ID

- Checker Date Stamp

Click 'Search' button with or without entering any of the above search parameters. All records matching the search criteria are displayed. To view a particular record double-click on the desired record displayed in the list of records. The details pertaining to each record is displayed.

2.6.3.2 Viewing Action Log of External Limit Queue

The action log screen displays the details of actions performed in the External Limit Queue screen.

To invoke this screen, type 'OLDQAHIS' in the field at the top right corner of the application toolbar and click the adjoining arrow button.

The screenshot shows the 'Action Log' application window. It features a title bar, a menu bar with 'New' and 'Enter Query', and two input fields for 'Message Id' and 'Process Seq No'. Below these is a navigation bar with '1 Of 1' and a 'Go' button. A table with columns 'Transaction Reference Number', 'Previous Status', 'Current Status', 'Authorization Status', 'Logtime', and 'Maker Id' is displayed. The table is currently empty. At the bottom right is an 'Exit' button.

This screen displays the action log of the following fields along with 'Message Id' and 'Process Sequence Number'.

- Transaction Reference Number
- Previous Status
- Current Status
- Authorization Status
- Logtime
- Maker ID
- Maker Date Stamp
- Checker ID
- Checker Date Stamp

2.6.4 Viewing Service Log Details

You can view service log using 'View Service Log' screen. To invoke this screen, type 'OLDSRLOG' in the field at the top right corner of the application toolbar and click the adjoining arrow button.

The screenshot shows a web application window titled "View Service Log". At the top, there are two tabs: "New" and "Enter Query". Below the tabs, there are two input fields: "Message Id" and "Process Seq No". Below these fields, there is a section titled "View Service Log" which contains a table. The table has a header row with the following columns: "Serial Number", "External System Status", "Versioned", "Error Codes", and "Error Parameter". The table body is currently empty. To the right of the table, there is a vertical scrollbar. At the bottom right of the window, there is an "Exit" button.

2.7 Common Integration Details Summary screen

You can view the contract integration status of various modules (OL, LB, LP, FC, TL) of OBCL and also connect to integration screen of different product processors.

You can invoke the 'OL Interface Summary' screen by typing 'OLSCNSTS' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

OL Interface Summary

SaveExportRefreshResetClear AllDetails

Case Sensitive

Branch CodeContract NumberModule Code

Records per page 151 OfGoLock Columns 0

☐	Branch Code	Contract Number	Module Code	ESN	Version Number	ELCM Status	Eca Status	Payment Handoff Status	Accounting Handoff Status	360 Handoff Status	Trade Status	CD Handoff Status
☐	063	063RES1180160013	OL	1	1	P	NA	NA	NA	NA	NA	NA
☐	AG1	AG1RES1172340005	OL	2	3	NA	NA	NA	E	NA	NA	NA
☐	AG1	AG1RES1172340005	OL	12	3	NA	NA	NA	E	NA	NA	NA
☐	AG1	AG1RES1172340005	OL	18	3	NA	NA	NA	E	NA	NA	NA
☐	AG1	AG1RES1172340005	OL	24	3	NA	NA	NA	E	NA	NA	NA
☐	AG1	AG1RES1172340005	OL	25	3	NA	NA	NA	E	NA	NA	NA
☐	AG1	AG1PAPD172342036	LP	5	1	NA	NA	NA	E	NA	NA	NA
☐	AG1	AG1PAPD172342048	LP	4	1	NA	NA	NA	E	NA	NA	NA
☐	063	063RES1180173003	OL	1	1	P	NA	NA	NA	NA	NA	NA
☐	AG1	AG1FPDB172360002	LB	2	1	NA	NA	NA	E	NA	NA	NA
☐	AG1	AG1FPDB172341001	FC	7	1	NA	NA	NA	E	NA	NA	NA
☐	AG1	AG1FPDB172341001	FC	9	1	NA	NA	NA	T	NA	NA	NA
☐	AG1	AG1BPDP172340011	LP	3	1	NA	NA	NA	E	NA	NA	NA
☐	AG1	AG1BAPD172342001	LB	5	2	NA	NA	NA	T	NA	NA	NA
☐	AG1	AG1BAPD172342001	LB	7	2	NA	NA	NA	T	NA	NA	NA

ELCM Details | ECA Details | Accounting Details | Payment Details | CD Details

Exit

To view the details, query using any of the following fields.

- Branch Code
- Contract Number
- Module Code.

You can select the specific contracts and then click their respective product processor sub-system.

- ELCM Details - External Limit Queue (OLSEXLMT)
- ECA Details - ECA Status View (PISECAQU)
- Accounting Details - External Accounting Entries Browser (OLSEACBR)
- Payment Details - Payment Outgoing Browser (OLSPMTBR)
- CD Details - Transaction Log (OLSIFCD)

After going to the integration screen, you can re-process and verify the logs of various contracts.

For more information on CD Details - Transaction Log (OLSIFCD), refer to *FCUBS Corporate Deposit -OBCL Integration User Guide*.

2.8 OBCL Integration with FCUBS for EAC

The integration between OBCL and UBS enables to handle the External Account Check (EAC) and customer status for the counterparty of the contract in synchronous mode.

2.8.1 Scope

The customer accounts are validated as part of EAC process during contract booking, VAMI, payment, rollover, and so on. The following are the list of operations supported.

Operation	Online/Batch	Customer Status	EAC Process
Contract Booking	Online	Yes	Yes
Contract Amendment	Online	Yes	Yes
Value Date Amendment	Online	Yes	Yes
Rollover	Online	Yes	Yes
Payment	Online	No	Yes
Manual Disbursement	Online	Yes	Yes
Linkage Amendment	Online	Yes	No
Fee Liquidation	Online	Yes	Yes
Split Reprice	Online	Yes	Yes
Consolidate Reprice	Online	Yes	Yes
Consolidate Rollover	Online	Yes	Yes
FWD INIT	Batch	Yes	Yes
FWD VAMI	Batch	Yes	Yes
Auto Disbursement	Batch	Yes	Yes
Auto Rollover	Batch	Yes	Yes
Auto LIQD	Batch	No	Yes

2.8.2 Prerequisites

1. For EAC, OBCL uses 'CreateEACAccVal' service available in UBS. This service validates the customer and customer account provided in the request.
2. To validate the customer status of the counterparty, OBCL uses the 'QueryCustomer' service in UBS and validate the frozen/deceased/where about unknown status.
3. A parameter 'OBCL_EXTERNAL_ACC_CHK_REQ' is introduced in CSTB_PARAM table. By default this flag is set to 'Y'. If this flag is enabled, then the system verifies EAC check and customer status during transaction online/batch.
4. Static INC to support EAC in OLTM_SERVICE_PARAMS and OLTM_SERVICE_REQ_FORMAT tables
5. Integration maintenance for EAC in OLDINPRM

2.8.3 Integration Process of EAC and Customer Status

EAC process

- This integration is to verify the settlement account and account CIF in a contract. This service validates the customer and customer account and returns success or fail.
- The synchronous call request is inserted into OLTB_REQ_MASTER with process status as 'U'.
- New stage table contains the tag values required to build the request for each contract
 - OLTB_EAC_ACC_MASTER
 - OLTB_EAC_ACC_DETAIL
- The system validates account CIF or account based on few parameters (frozen/dormant/no debit/no credit, and so on) and an appropriate error message appears.

Customer Status

- This integration is to verify the frozen, deceased and where about unknown status for the counterparty and Borrower CIF of a contract.
- The synchronous call request is inserted into OLTB_REQ_MASTER with process status as 'U'.
- New stage table contains the tag value required to build the request for each contract
 - OLTB_CUST_STATUS
- The system validates the counterparty and borrower based on few parameters (frozen/deceased/where about unknown/invalid customer) and an appropriate error message appears.

Inactive Customer Status

If a customer does not have any single contract active, then an update is sent to FCUBS using "QueryCustSts" service. "QueryCustSts" service is consumed by OBCL to handoff the customer status (Active/Inactive) to FCUBS system.

3. Annexure

This chapter contains the following sections:

- [Section 3.1, "Gateway Web Service"](#)
- [Section 3.2, "Limitations"](#)
- [Section 3.3, "SWIFT Messages Generated in Corporate Lending module"](#)
- [Section 3.4, "External Source Maintenances"](#)

3.1 Gateway Web Service

Enterprise Java Beans (EJB) deployment pattern is used for integration scenarios. For details about gateway web services, refer to the respective Gateway Webservice documents.

3.2 Limitations

The following are the limitations for ECA handling of Corporate Loan liquidation.

- Provision to pass minimum amount for auto liquidation is available in OL module, however, it is not supported in ECA request
- Mapping and transformation of external overrides to OL module is not supported

3.3 SWIFT Messages Generated in Corporate Lending module

3.3.1 MT103 (Customer Transfer) SWIFT message

```
{1:F01CITIUS33XXX1111111111}
{2:I103NISIJPJTXXXU1003}
{4:
:20:HELBLAD170913009
:23B:
:32A:170401EUR10000,
:33B:EUR10000,
:50K:CUST/FI/RABO BANK/CITIUS33XXX
1/BIODATA GMBH
2/HOCHSTRASSE, 27
3/FI/8022-ZURICH
:57D:NISIJPJTXXX
/ABC BANK
:59:/DE80500700100953425610
```

1/777NOCR/ADAM PAUL
2/HOOGSTRAAT 6, APT 6C
3/BE/BRUSSELS
:71A:SHA
:72:/INS/NISIJPJTXXX
/OBCL/DISBURSTMENT
-}

3.3.2 MT202 (Bank Transfer) SWIFT message

{1:F01CITIUS33XXX1111111111}
{2:I202NISIJPJTXXXU1003}
{4:
:20:HELBLAD170915002
:21:HELBLAD170915002
:32A:170401EUR10000,
:52A:CITIUS33XXX
:57D:NISIJPJTXXX
/ABC BANK
:58A:NISIJPJTXXX
:72:/INS/NISIJPJTXXX
/OBCL/CONFIRMATION
-}

3.3.3 MT103 with 202 COVER: Customer Transfer with Cover

MT103:
{1:F01PTSAINFFAXXX1111111111}
{2:I103PTSAINFFXXXN2}
{3:{108:1725817349690000}{119:STP}}
{4:
:20:1725813349670000
:23B:CRED

:32A:170915EUR12000,
:33B:EUR12000,
:50F:/JIOFIE
RABO BANK
1/HOCHSTRASSE, 27
2/FI/8022-ZURICH
3/8022
:53A:SLSBGB53XXX
:57A:NISIJPJTXXX
:59:/DE80500700100953425610
1/12121212/ADAM PAUL
2/HOOGSTRAAT 6, APT 6C
3/BE/BRUSSELS
4/876001
:71A:SHA
:72:/INT/AIBKGB9XXXX
-}

MT 202 COVER:

{1:F01PTSAINFFAXXX1111111111}

{2:I202PTSAINFFXXXXN2}

{3:{119:COV}}

{4:

:20:1725817349750000

:21:1725813349670000

:32A:170915EUR12000,

:58A:AIBKGB9XXXX

:50F:/JIOFIE

RABO BANK

1/HOCHSTRASSE, 27

2/FI/8022-ZURICH

3/8022

:57A:NISIJPJTXXX

:59:/DE80500700100953425610

1/12121212/ADAM PAUL

2/HOOGSTRAAT 6, APT 6C

3/BE/BRUSSELS

4/876001

:72:/INT/AIBKGB9XXXX

:33B:EUR12000,

-}

3.4 External Source Maintenances

The following are the external source maintenance that needs to be completed for FCUBS, Payments, and ELCM systems integration.

External sources supported by Kernel.

External System	System Code
Accounting System Code	OLINTSYS
Payment System	INTBANKING
ELCM System	OLELCM
OBCL Integration System	OLINTSYS

External system maintenance for OLINTSYS

External System	Service Name	Communication Channel	Communication Mode	Communication Layer	WS Service	WS Endpoint URL
OLINTSYS	FCUBSCA-Service	CUSTOM	A	APP	FCUBSCA-Service	WSDL of FCUBSCA-Service

External System	Service Name	Communication Channel	Communication Mode	Communication Layer	WS Service	WS Endpoint URL
OLINTSYS	FCUB-SIFService	CUSTOM	A	APP	FCUB-SIFService	WSDL of FCUB-SIFService

External system maintenance for INTBANKING

External System	Service Name	Communication Channel	Communication Mode	Communication Layer	WS Service	WS Endpoint URL
INTBANKING	PMSinglePaymentService	CUSTOM	S	APP	PMSinglePaymentService	WSDL of PMSinglePaymentService

External system maintenance for OLELCM

External System	Service Name	Communication Channel	Communication Mode	Communication Layer	WS Service	WS Endpoint URL	REST IP	REST Port	REST Pattern	REST Context
OLELCM	ExtLovLBTR-Service	REST	S	APP			REST Service IP Address	REST Service Port	LovService	FCJ-NeoWeb
OLELCM	ExtLovLBDDS Service	REST	S	APP			REST Service IP Address	REST Service Port	LovService	FCJ-NeoWeb
OLELCM	ExtLov-Service	REST	S	APP			REST Service IP Address	REST Service Port	LovService	FCJ-NeoWeb
OLELCM	ELUtilization-Service	CUSTOM	S	APP	ELUtilization-Service	WSDL of ELUtilization-Service				

4. Function ID Glossary

I

IFDINPRM 2-2

L

LBDINSTR 2-18

O

OLDBRMNT 2-18

OLDISBGL 2-20

OLDQAHIS 2-23

OLDSRLOG 2-24

OLSCNSTS 2-25

OLSEACLG 2-14

OLSEXLMT 2-22

OLSPMTBR 2-19

P

PIDHSTMT 2-1

PISECAQU 2-12