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Preface

This document helps you acquaint with the information on inter-connecting Oracle Banking Trade Finance (OBTF) with Oracle FLEXCUBE Universal Banking (FCUBS).

Besides this user manual, while maintaining the interface related details, you can invoke the context sensitive help available for each field in OBTF. 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 striking the <F1> key on the keyboard.

- Audience
- Organization
- Acronyms and Abbreviations
- Related Information Sources

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
End of day operators	Processing during end of day
Implementation Teams	For setting up integration

Organization

This manual is organized as follows:

Table 1 Topics

Topics	Description
Preface	This topic provides information on the intended audience. It also lists the various chapters covered in this User Manual.
OBTF - FCUBS Integration - Accounting	This topic explains the integration between Oracle Banking Trade Finance and Oracle FLEXCUBE Universal Banking System.
Function ID Glossary	This topic explains the alphabetical listing of Function/ Screen ID's used in the module with page references for quick navigation.

Acronyms and Abbreviations

This User Manual may refer to all or some of the following terms:

Abbreviations	Description
ASYNC	Asynchronous
EA	External Accounting
EAC	External Account Check
ECA	External Credit Approval
FCUBS	Oracle FLEXCUBE Universal Banking
OBTF	Oracle Banking Trade Finance
SOAP	Simple Object Access Protocol
SYNC	Synchronous
URL	Uniform Resource Locator
WS	Web Service
WSDL	Web Service Description Language
XML	Extensible Mark-up Language

Related Information Sources

Along with this user manual you may also refer the following related resource:

- Oracle Banking Trade Finance Installation Manual
- Common Core - Core Entities and Services User Guide
- Core Services User Guide

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OBTF - FCUBS Integration - Accounting

The integration between the Oracle Banking Trade Finance (OBTF) and Oracle FLEXCUBE Universal Banking enables processing External Account Check, External Credit Approval and External Accounting entries in Oracle Banking Trade Finance through external product processors.

This chapter contains the following sections:

- Section 2.1 “Scope Coverage”
- Section 2.2 “Prerequisites”
- Section 2.3 “Integration Process”
- Scope Coverage
- Prerequisites
- Integration Process

1.1 Scope Coverage

This section contains the following topic:

- Section 2.1.1 “Integration Scope”
- Integration Scope

1.1.1 Integration Scope

This section describes the scope of the integration with respect to OBTF and External Account Check, External Credit Approval and External Accounting System. Oracle Banking Trade Finance allows processing external accounting entries to OBTF. The system updates the customer account and ledger balances for the external product transactions.

1.2 Prerequisites

This section contains the following topics:

- Section 2.2.1 “Prerequisites in Oracle Banking Trade Finance”
- Section 2.2.2 “Prerequisites in Oracle FLEXCUBE Universal Banking”
- Prerequisites in Oracle Banking Trade Finance
- Prerequisites in Oracle FLEXCUBE Universal Banking

1.2.1 Prerequisites in Oracle Banking Trade Finance

The prerequisites in OBTF for this integration are as follows:

- You have to maintain the following details in ‘Trade Finance External Service Maintenance’ (IFDTFXSE) screen:

Field	Description
External System	Source code of external system e.g.: ‘FCUBS’
External User	User to be provided, this user should be present in OBTF and FCUBS
Type	SOAP Request
Service Name	FCUBSAccService FCUBSCAService FCUBSIFService
WS Endpoint URL	FCUBS WSDL URL to be provided for respective services

- You have to maintain the following details in ‘Integration Parameter Maintenance’ (IFDINPRM) screen:

Field	Description
Branch Code	Branch Code to be provided, branch should be present in OBTF and FCUBS
External System	Source code of external system e.g.: ‘FCUBS’
External User	User to be provided, this user should be present in OBTF and FCUBS
Entity ID	Entity ID to be provided, this external id should be present in external system
External Branch Code	Branch code to be provided, this branch code should be present in external system.

1.2.2 Prerequisites in Oracle FLEXCUBE Universal Banking

The prerequisites in Oracle FLEXCUBE Universal Banking for this integration are as follows

- You have to maintain the following details in ‘Upload Source maintenance’ (CODSORCE) screen:

Field	Description
Source Code	Source code of external system e.g.: ‘OBTF’

- You have to maintain the following details in ‘Upload Source Preference maintenance’ (CODUPLDM) screen:

Field	Description
Source Code	Source code of external system e.g.: ‘OBTF’
Module Code	ST; CA; IF
On Error	Reject
On Override	Ignore
Status	Authorized

- You have to maintain the following details in ‘External System maintenance’ (GWDETFUN) screen:

Field	Description
External System	Source code of external system e.g.: ‘OBTF’

Field	Description
Function	EAC – STGEACVL ECA – CAGECABL EA – IFGEXACC
Service Name	EAC – FCUBSAccService ECA – FCUBSCAService EA – FCUBSIFService
Operation Code	EAC – CreateEACAccVal ECA – CreateEcablk CloseEcablk EA – CreateExtAccEcaEntries

1.3 Integration Process

The following are the integration processing of OBTF with FCUBS for accounting.

EAC Interface

During the save of an OBTF transaction, OBTF initiates an External Account Check request to DDA (FCUBS) using the DDA EAC web service and waits for the response from DDA system. Upon receiving the success or failure response from DDA system OBTF decides on transaction completion. OBTF communicates synchronously with DDA system hence it helps in OBTF for further transaction processing.

Refer the “Oracle FLEXCUBE UBS - External Accounting Interface” - section 2.3.1 “Account Service Validations” to understand more on how the request is handled at DDA system for various request tags like CUSTACBRN, CCY, CUST_AC_NO and DCINDICATOR.

ECA Interface

As a continuation of OBTF EAC transaction (on save), OBTF decides on initiating the ECA call to DDA system based on the “External Credit Approval Required flag” maintained in “External Customer Account Input” screen. If the flag is chosen OBTF calls the ECA web service of DDA system. In the framed request accounts involved in transaction, account branch, account currency, partial block required for account, partial release block required for account and ECA requested block amount should be available for the DDA system to complete an ECA request from OBTF.

OBTF places the request into the queue and saves the transaction. Now a scheduler “TF_ECA_CALL” picks record from the queue and posts to DDA system for processing. So for ECA OBTF communicates asynchronously with DDA system. Once the DDA system responds with success or failure OBTF updates the external system (DDA) processing status of ECA. Upon ECA successful response from DDA system, OBTF initiates EA asynchronously.

- In case of success response from DDA, OBTF decides to trigger EA actual accounting handoff for the transaction at DDA
- In case of failure response from ECA, OBTF transaction will not be allowed for further actions like authorization.

  1. User can manually reinitiate the request using “IFSTFERQ – Trade Finance Core Entity Error Queue” after making the modifications in DDA / OBTF. The modifications mentioned can be a technical glitch or the functional case like insufficient funds at customer account.

2. User also has the provision to view the error codes and messages retrieved from DDA system for the corresponding message id and service code in IFSTFERQ screen. Based on it necessary actions can be taken by user.

- Refer the “Oracle FLEXCUBE UBS - External Accounting Interface” - section 2.3.3 “Handling External Credit Approval (ECA) Requests” to understand more on how the request is handled at DDA system for various request tags like CUSTACNO, CUSTACBRN, CUSTACCCY, PARTIALBLKREQD, PARTIALRELEASEALLOWED and UPDASERRIFANYFAIL.

EA Interface

After saving a transaction at OBTF it is time for accounting hand off to DDA system for further processing. OBTF initiates EA to DDA system after save of a transaction asynchronously.

- If accounts involved does not require the external customer credit approval EA will be initiated to DDA after save (Auto Authorisation user) and on Authorisation (Non-auto authorization user)
- If the Accounts having external customer credit approval OBTF will initiate EA only upon the successful ECA response from DDA (Auto/Non-Auto Authorization user) post that only authorization is allowed for the transaction either automatically(Auto Authorisation user) or manually (Non-Auto authorization user).
- Failure EA requests can be resend using the same “IFSTFERQ – Trade Finance Core Entity Error Queue” and error messages can also be viewed using the screen.

Refer the “Oracle FLEXCUBE UBS - External Accounting Interface” - section 2.3.4 “Triggering Accounting Entries to FCUBS” to understand more on how the request is handled at DDA system for various request tags like EVNTSRNO, UNIQUEEXTREFNO, EVENT, TRNREFNO, REFERRALALLOWED, DRCRIND, RELATEDCUSTOMER, TRNREFNO, EVENT, EVENTSRNO, VALUEDT, MODULE, AMTTAG, ACCCY, ACBRANCH, ACNO, LCYAMT, TRNCODE and SOURCE_CODE.

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