

Oracle Banking Trade Finance

Oracle FLEXCUBE Universal Integration User Guide - Accounting



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Purpose

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

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

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

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at [Critical Patches, Security Alerts and Bulletins](#). All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by [Oracle Software Security Assurance](#).

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.

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.

Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text.
<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.

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

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

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
OBTFCS	Oracle Banking Trade Finance Cloud Service
SOAP	Simple Object Access Protocol
SYNC	Synchronous
URL	Uniform Resource Locator
WS	Web Service
WSDL	Web Service Description Language
XML	Extensible Mark-up Language

Symbols and Icons

The list of symbols and icons available on the screens are as follows:

Table 2 Symbols and Icons - Common

Symbol/Icon	Function
	Minimize
	Maximize
	Close

Table 2 (Cont.) Symbols and Icons - Common

Symbol/Icon	Function
	Perform Search
	Open a list
	Date Range
	Add a new record
	Navigate to the first record
	Navigate to the last record
	Navigate to the previous record
	Navigate to the next record
	Grid view
	List view
	Refresh
	Click this icon to add a new row.
	Click this icon to delete a row, which is already added.
	Calendar
	Alerts
	Unlock Option
	View Option

Table 2 (Cont.) Symbols and Icons - Common

Symbol/Icon	Function
	Reopen Option

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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 topic contains the following sub-topics:

- [Scope Coverage](#)
- [Prerequisites](#)
- [Integration Process](#)

1.1 Scope Coverage

This topic contains following sub-topic:

- [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 topic contains following sub-topics:

- [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 OBRH_URL param in CSTB_PARAM for communication type / Channel OBRH.
- 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

Field	Description
Type	Request Type should be selected. SOAPRequest – For External System type 'Default' REST Request - For External System type 'OBRH'
Service Name	FCUBSAccService FCUBSCAService FCUBSIFService
WS Endpoint URL	FCUBS WSDL URL to be provided for respective services
External System Type	External System type should be selected. Default – Direct integration with FCUBS OBRH – Integration of DDA system via OBRH
Header Profile	Header Profile for the OBRH should be selected. Header profile can be maintained in the screen (MSDHPROF - HTTP Header Parameters)

- 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.
Service Name	FCUBSIFService ExtLovService
Communication Channel	Select the communication Channel for integration. REST – Default Communication channel for ExternalLovService WEBSERVICE – Default Communication channel for FCUBSIFService OBRH – Communication channel for all services when integrated via OBRH
Communication Mode	SYNCHRONOUS
Communication Layer	Application
WS Endpoint URL	WS Endpoint URL should be provided for communication channel WEBSERVICE
Rest Service IP, Rest Service Port, Rest Service Pattern & Rest Service Context	REST service details should be provided for communication channel REST
Header Profile	Header Profile for the OBRH should be selected. Header profile can be maintained in the screen (MSDHPROF - HTTP Header Parameters)

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'
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.

① Note

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.

Note

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 “TFSEACBR – External Accounting Entry Browser” and error messages can also be viewed using the screen.

Note

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 EVNTRNO, UNIQUEEXTREFNO, EVENT, TRNREFNO, REFERRALALLOWED, DRCRIND, RELATEDCUSTOMER, TRNREFNO, EVENT, EVNTRNO, VALUEDT, MODULE, AMTTAG, ACCCY, ACBRANCH, ACNO, LCYAMT, TRNCODE and SOURCE_CODE.

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