

Oracle Banking Trade Finance

Oracle Banking Payments Integration User Guide



Release 14.8.1.0.0
G46067-01
October 2025

ORACLE®

Copyright © 2007, 2025, Oracle and/or its affiliates.

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.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. 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 fail-safe, 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.

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

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about 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 unless otherwise set forth in an applicable agreement between you and Oracle. 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, except as set forth in an applicable agreement between you and Oracle.

Contents

Preface

Purpose	i
Audience	i
Documentation Accessibility	i
Critical Patches	ii
Diversity and Inclusion	ii
Topic	ii
Conventions	ii
Related Information Sources	iii
Screenshot Disclaimer	iii
Acronyms and Abbreviations	iii
Symbols and Icons	iii

1 Trade Finance - Payments Integration

1.1	Scope	1
1.1.1	Integration Scope	1
1.2	Prerequisites	1
1.2.1	Prerequisites in Oracle Banking Trade Finance	2
1.2.2	Prerequisites in Oracle Banking Payments	5
1.2.3	Prerequisites in Common Core OBTF and OBPM	7
1.3	Integration Process	8
1.3.1	Installation Modes	8
1.3.2	Integration Processing	9
1.3.2.1	OBTF Payment Request Initiation	9
1.3.2.2	External Payment System Queue	10
1.3.2.3	External Payment System Queue History	12
1.3.2.4	External Bill Liquidation	12

Index

Preface

- [Purpose](#)
- [Audience](#)
- [Documentation Accessibility](#)
- [Critical Patches](#)
- [Diversity and Inclusion](#)
- [Topic](#)
- [Conventions](#)
- [Related Information Sources](#)
- [Screenshot Disclaimer](#)
- [Acronyms and Abbreviations](#)
- [Symbols and Icons](#)

Purpose

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

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.

Topic

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 - OBPM Integration	This topic explains the Oracle Banking Trade - Oracle Banking Payments Integration explains the integration between Oracle Banking Trade Finance and Oracle Banking Payments.
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

This user manual must be used in conjunction with the following Oracle Banking Trade Finance user manuals:

- Bills and Collections User Manual
- Letters of Credit User Manual

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

Abbreviation	Description
OBTF	Oracle Banking Trade Finance
OBTFCS	Oracle Banking Trade Finance Cloud Service
OBPM	Oracle Banking Payments
WSDL	Web Services Description Language
EA	External Accounting

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
	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

Table 2 (Cont.) Symbols and Icons - Common

Symbol/Icon	Function
	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
	Reopen Option

1

Trade Finance - Payments Integration

The integration between OBTF and OBPM enables banks to do the following:

- Outgoing payment message processing
- Bill Liquidation on external request from OBPM

This topic contains the following sub-topics:

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

1.1 Scope

This topic contains the following sub-topics:

- [Integration Scope](#)

1.1.1 Integration Scope

The following are the integration scope of OBTF with OBPM:

- Outgoing payment message processing,
 - OBTF initiates the request for outgoing payment message to OBPM on bill liquidation and LC creation.
 - OBTF during transaction creation initiates the request for outgoing payment messages to OBPM. Few scenarios include Bills Liquidation and LC creation based on the transfer type selected in the settlement instructions.
 - Transfer type selected can be "Bank Transfer" or "Customer Transfer" to initiate payment request to OBPM.
- Outgoing payment
 - System to populate export Bill details to common core.
 - System to provide an EAC and an EA web service, to be consumed by OBPM.
 - On receiving an incoming MT202, OBPM validates the "Tag21-Related Reference Number" if the tag values matches with bill number in common core OBPM will initiate an EAC request to OBTF. In turn OBTF validates the bill reference number and responds to OBPM.
 - On receiving a success EAC response OBPM will initiate an EA request to OBTF. In turn OBTF trigger bill liquidation on a received reference.

1.2 Prerequisites

This topic contains the following sub-topics:

- [Prerequisites in Oracle Banking Trade Finance](#)
- [Prerequisites in Oracle Banking Payments](#)
- [Prerequisites in Common Core OBTF and OBPM](#)

1.2.1 Prerequisites in Oracle Banking Trade Finance

The prerequisites in OBTF for this integration are as follows:

- The parameter 'PAYMENT_PROCESSOR' in CSTB_PARAM should be 'E' (External) for OBTF to interface with OBTF.
- Maintain OBRH_URL param in CSTB_PARAM for communication type OBRH.
- Maintain an active record in Trade Finance External System Maintenance screen (IFDTFEPM) with field external system type as "Payments" for different service codes with all required fields in the detailed section of this screen
For outgoing payments, maintain the service code as "GenPayMessage" with Single Payment Service details as below: Bridge GL to be maintained in Inter System Bridge GL

Field	Description
External System	Should be source code of external system e.g.: 'OBPM'
Inter System Bridge GL	Bridge GL between OBTF and OBPM
Source System	OBTF
Entity Id	Entity Id used between OBTF and OBPM interaction
External System Type	Payments
Read Time Out	Read Time out in OBPM
Connection Time Out	Connection wait time at OBTF for the Payment request initiated
Archival Days	Number of days to archive the payment messages
Communication 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)

Table 1-1 Service1 - Single Payment Service

Field	Description
Service Code	GenPayMessage
Service Name	PMSinglePayOutService
Operation Code	CreateSinglePayment
Rest/Web Service User Option	Choose Contract User / Predefined User
Rest/Web Service User	Mention user in case of Predefined User
Rest/WebService URL	Mention http URL of OBPM when communication type is default http://ip:portnumber//PMReST/obpmrest/payments/singlepayout

Table 1-2 Service2 - Inbound Cross Border Payments

Field	Description
Service Code	GenRecvNotice
Service Name	PMXborderInService
Operation Code	CreateXborderIn
Rest/Web Service User Option	Choose Contract User / Predefined User
Rest/Web Service User	Mention user in case of Predefined User
Rest/Web Service URL	Mention http URL of OBPM when communication type is default http://ip:portnumber/PMReST/obpmrest/payments/xborderin

Trade Finance External System Maintenance

New Copy Close Unlock Enter Query

External System * OBPM External System Type * Payments

Description External Payment System Read Time Out (In Seconds) 70

Inter System Bridge GL * Z61100005 Connection Time Out (In Seconds) 50

Source System * FCUBS Archival Days 3

Entity ID * ENTITY_ID1

	Service Name	Operation Code	Rest/Web Service User Option	Rest/Web Service User	Rest/Web Service URL
☒	PMSinglePayOut	CreateSinglePay	Predefined User	PREETHI_A	http://100.76.138.209:6060//PMReST/ob
☐	PMXborderInSer	CreateXborderIn	Predefined User	PREETHI_A	http://100.76.138.209:6060//PMReST/ob

Audit Exit

- Maintain the External System Functions (GWDETFFUN) for the below Source codes

Field	Suggested values
External System	OBTF<Module Code>
Function	IFGTFFPNO
Action	NEW
Service Name	OBTFEPSService
Operation Code	CreateEPSNotification

Figure 1-1 External System Functions

External System Functions

New Copy Close Print Enter Query

External System * OBTFBC

Function * IFGTFFPNO

Action * NEW

Service Name OBTFEPSService

Operation Code CreateEPSNotification

Description OBTFBC

Bulk SMS Check ☐

Fields Audit Exit

Figure 1-2 External System Function Summary

External System Function Summary

Save Export Refresh Reset Clear All Details

Search (Case Sensitive)

Authorization Status: [] Record Status: [] Function: IFGTFPNO

Action: [] External System: []

Search Results

Lock Columns: 0

☐	Authorization Status	Record Status	Function	Action	External System
☐	Authorized	Open	IFGTFPNO	NEW	EXTSYS
☐	Authorized	Open	IFGTFPNO	NEW	OBTF
☐	Authorized	Open	IFGTFPNO	NEW	OBTFBC

Exit

Figure 1-3 External System Function Summary

- In Upload Source Preference Maintenance screen (CODUPLDM), Post Upload Status field value should be selected as “Authorized”.

Field	Suggested values
Source Code	OBTF
Module Code	BC/LC/Specific Module Codes
On Error	Reject
On Override	Ignore
Post Upload Status	Authorized

Figure 1-4 Upload Source Preference Maintenance

Upload Source Preferences Maintenance

New Copy Close Unlock Print Enter Query

Source Code * OBTFBC

Module Code * IF

Error Handling

On Error * Reject

On Override * Ignore

Post Upload

Status * Authorized

Purge Days []

Allow Deferred Processing []

Allow EOD with Deferred []

Deletion Allowed []

Function Id Preferences

Audit Exit

- Upload BIC directory and ensure that the same are listed at ISDBICDE, which OBTF will use, to transact payments.
- Below are the scheduler jobs configured for the Integration. Make sure that these jobs are running using SMSJOBBER screen.

- TFEPSGENPAYMENT - Scheduler job for processing the Payment request
- TFEPS_NOTIFICATION - Scheduler job for processing OBPM notifications
- Make sure that the below ADF file is executed in the database schema. This file contains the JSON template for the OBPM Single Payment Service
 - TFGenPayMessage.ADF
- Refer Core Services User Manual, for the other Day 0 maintenances to be done for OBTF.

1.2.2 Prerequisites in Oracle Banking Payments

The prerequisites in Oracle Banking Payments for this integration are as follows

- You Maintain the Source code with which OBTF will hand off payment requests at PMDSORCE- Source maintenance screen.

Figure 1-5 Source Maintenance Detailed

Source Maintenance Detailed

Source Code * SWIF MIS Group
Host Code * HOST1 UDF Group
Description
Source Type Upload

Prefunded Payments
Prefunded Payments Allowed ☐
Pricing Applicable ☐
Prefunded Payments GL
Auto-process Claims for Prefunded Payments ☐

Duplicate Check Fields
Duplicate Check Period In Days

Accounting & Message Preference
Preferred Reference Transaction Reference

Other Preferences
SSI Handling Not Required
Validate Debit Authority ☐
Incoming SWIFT ☐
Allow External Audit Info ☐
PSD Applicable ☐
Notification Required ☐
Allow Back Value Dated Book Transfer ☐

Credit to GL Payments
Inbound credit to GL ☐
Pricing Applicable ☐
Intermediary Credit GL

Auto Queue Preferences
System Action Auto roll-over

Duplicate Check Fields Response Details Audit Exit

Following are the source codes OBTF uses to initiate payment request:

- For all OBTF modules where outgoing payment or receive notice is initiated, the source code is OBTF <Module-ID>. For example, the source code for the BC module is OBTFBC.
- Each record maintained in Source Maintenance Detailed screen (PMDSORCE) should have the below preferences:

- Pre-funded Payments GL or Intermediary Credit GL should match Inter System Bridge GL maintained in Trade Finance External System Maintenance screen (IFDTFEPM) of OBTF.

Note

This Inter System Bridge GL should be available for both OBTF & OBPM.

- Maintain the OBTF Source-specific preferences for each network at PMDSORNW screen. Maintain for both “Transaction Type” “Incoming” and “Outgoing”.

Figure 1-6 Source Network Preference Detailed

Source Network Preferences Detailed

Host Code * HOST1

Source Code * OBTFBC

Network Code * SWIFT

Transaction Type * Outgoing

Description

Network Description

Network Type Description

Preferences

Authorization Rekey Required ☐

MIS Group

UDF Group

Sanctions System

Sanction Check Required ☐

Pricing

External Pricing Applicable ☐

Accounting Preference

Debit Entry on On Activation Date

Same Day Transaction Rollover Preference

Amount Block on Booking Date ☐

Authorization Limit

Authorization Limit Currency

Authorization 1 Limit

Authorization 2 Limit

Network Release Limit

Credit Entry on On Activation Date

Future Valued Transaction Preferences

Validation on Booking Date Required

Authorization Rekey Fields

Rekey Field Name	Description
No data to display.	

Page 1 (0 of 0 items) |< 1 >|

Audit Exit

The preference for various payment networks via which OBTF will initiate a payment request needs to be maintained on this screen for the same Source codes as in the previous Section.

- OBPM should maintain appropriate Network Rule maintenance (PMDNWRLE) to route the OBTF request to the respective network. Based on the Payment type, OBTF system will send one of the values (LCL or SWIFT) in Service Level Proprietary field, which further will be used to build the network rules,
 - LCL - Local clearing payments
 - SWIFT Messages - SWIFT Payment messages

Figure 1-7 Network Rule Detailed

- The OBTF Source specific notification preferences for each network at PMDEXTNT screen.

Figure 1-8 External Notification Queue Detailed

The notification is a call from OBPM to the OBTF Webservice - OBTFEPSService that needs to be deployed. The gateway external system setup is required to be done for source code mentioned in the above screen shot. It is important to give the Notification System class as OBTF and communication mode as Web Service.

1.2.3 Prerequisites in Common Core OBTF and OBPM

The following common core maintenances need to perform for Integration.

- Customer Maintenance - Create the customers in STDCIFCR
- Account Maintenance - Create Accounts (CASA / NOSTRO) in STDCRACC
- General Ledger Maintenance - Create a General Ledger in STDCRGLM.

- Transaction code Maintenance - Create the Transaction code in STDCRTRN
- OBPM to use OBTF Dates - Maintain IS_CUSTOM_DATE parameter as 'Y' in cstb_param table. By this, OBPM will use Today from sttm_dates as the transaction booking date.
- Note: Above point is applicable only to Co-Deployed setups between OBTF and OBPM.
- Other Payments Maintenances - Refer Oracle Banking Payments Core User Manual, for the other Day 0 maintenances.

For detailed information on above mentioned screens, refer to Oracle Banking Payments Core User Manual

1.3 Integration Process

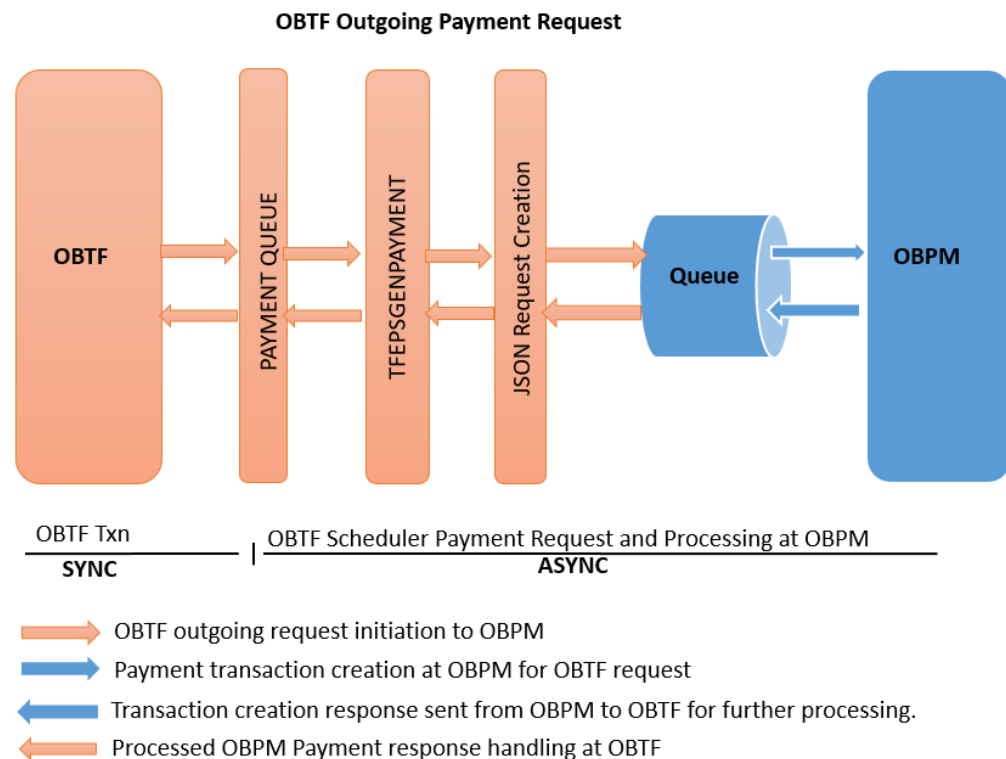
This topic contains the following sub-topics:

- [Installation Modes](#)
- [Integration Processing](#)

1.3.1 Installation Modes

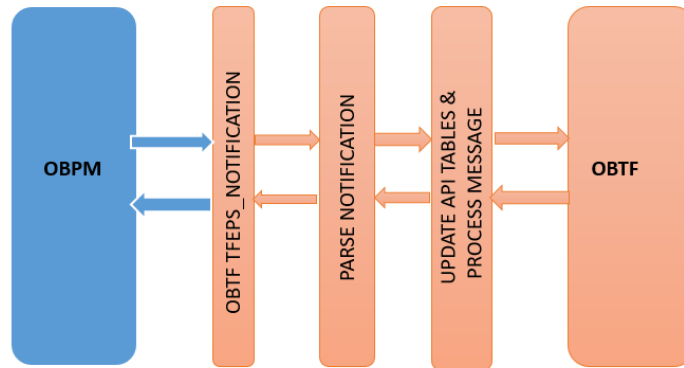
The following installation modes are described in the upcoming sections:

- ASYNC Processing,
 - In OBTF a transaction is created with payment message initiation to OBPM system.
 - TFEPSGENPAYMENT scheduler fetches records from Queue and handovers to OBPM.
 - In OBPM a transaction is created and response is sent to OBTF
 - OBTF updates the queue references accordingly.



- Upon successful transaction creation at OBPM, OBPM decides in sending notification to OBTF.
- Once OBTF receives notification, OBTF parses notification, extracts payment message and updates the message CLOB of the OBTF transaction.
- Upon notification updated at OBTF, OBPM receives the OBTF processed status and updates the external system (OBTF) processed status at OBPM.

Notification and Payment Message Processing at OBTF



OBPM initiates notification to OBTF in turn OBTF extract and process messages

AYSNC

- ➡ Upon successful transaction at OBPM, OBPM decides and sends notification to OBTF
- ➡ OBTF receives notification, parses it, updates the API tables and appends parsed message in OBTF transaction
- ➡ OBTF sends the response back to OBPM after parsing and updating at OBTF
- ➡ Notification received status at OBTF will be updated in OBPM

1.3.2 Integration Processing

This topic contains the following sub-topics:

- [OBTF Payment Request Initiation](#)
- [External Payment System Queue](#)
- [External Payment System Queue History](#)
- [External Bill Liquidation](#)

1.3.2.1 OBTF Payment Request Initiation

In OBTF during the creation of Bills and collections / Letter of credit transactions user the provision to do the following or system based on the product setup and settlement instructions maintained for the parties shall do the following

1. After settlement pickup of a OBTF transaction, In settlement instructions component to be selected and navigate to the Payment details tab. E.g.: BILL_LIQ_AMTEQ
2. In Payment details tab choose "Payment By" as "Message" and choose the "Transfer Type" as either "Bank Transfer" or "Customer Transfer". Provide other required details any for "Details of Charge", "Sender to Receiver Information", etc.,
3. Visit parties and provide required information about the parties involved like Account details and address details.
4. Visit Other Details and choose "Bank Operation Code"

Refer following documents for making trade transactions and understanding on settlement instructions.

- Settlements User Guide
- Bills and Collections User Guide - Section 6.1.4 Settlement
- Islamic Bills and Collections User Guide - Section 5.3.6 Specify Settlement Instructions
- Letters of Credit User Guide - Section 7.2.2 Reverse LC Liability - Settlements portion
- Islamic Letters of Credit User Guide - Section 7.2.1 Islamic LC Contract Availment - Settlements portion

1.3.2.2 External Payment System Queue

You can view the details of payment request sent or to be send to an external payments system through 'External Payment System Queue' screen. You can invoke this screen by typing 'IFDTPQU' in the top right corner of the Application toolbar and clicking the adjoining arrow button.

Trade Finance External Payment System Queue Detailed

Enter Query

Queue Reference Number * 3372181448331551

External Payment System Reference Number 2133701336989000

Source Reference Number PK1GLIR211253020

Customer Reference Number PK1GLIR211253020

Process Status Payment Request Accepted

Contract Reference Number PK1GLIR211253020

Initiating Module LI

Event Sequence Number 1

Amount Tag LITAX2_AMT

Main Parties Parties Other Details

Host Code HOST1

Service Level Proprietary RECV_NOTC

Transaction Branch PK1

Initiation Date 05/05/2021

Requested Execution Date 05/05/2021

Activation Date

Transfer Type Bank

Transfer Currency GBP

Transaction Amount .45

Prefunded Payments ☐

Remarks

Charge Bearer Remitter all Charges

Beneficiary Charge Amount

DCN 3372181448332314

Running Number 1

Instrument Code

Instrument Number

Service Code GenRecvNotice

Source Code OBTFLLI

Web Service User PREETHI_B

Customer No 000157

Debtor Details

Name PreethiI

Account Number PK10001570010

Account Currency GBP

Account Branch PK1

Creditor Details

Name Oracle Banking Trade Finance - PK1

Account Number 261100005

Account Currency GBP

Account Branch PK1

Error Information Notifications Exit

Queue Reference Number

Specify the queue reference number and click 'Execute Query' to view the details of payment request sent to external payment system.

Process Status

The system displays the process status. The list displays the following options:

Process	Description
Not Authorized	Contract initiated and the payment request is unauthorized

Process	Description
Un Processed	Payment request pending for processing
Web Service Connection Timeout	Web service call, timed out during payment request processing
Payment Approved	Payment request initial validation is successful and request is accepted
Payment Rejected	Payment request initial validation is failed and request is rejected
Payment Processed	All payment processing is completed and request is successfully processed
Repair	Payment request moved to repair queue due to exception in payment life-cycle
Contract Cancelled	Contract initiated and the payment request is reversed
Future dated	Payment contract not yet initiated. Future value dated payment request.
Payment Cancelled	Payment contract cancelled from one of the queue in external payment system
Acknowledgement Received	Acknowledgment (ACK) received from payment network
Negative Acknowledgement Received	Negative acknowledgment (NACK) received from payment network

Click 'Error Information' button to view Error Information screen. This screen displays the error or warning codes and messages received as response for the payment request.

Click 'Notifications' button to view the notifications screen. This screen displays the notification details received from the external payment system

Process Status

The system displays the process status. The list displays the following options:

Process	Description
Un Processed	Notification is pending for processing
Processed	Notification processed successfully
Processing Failed	Notification processing failed due to unexpected failure
Improper Notification	Notification received is not in proper format
Empty Notification	Empty notification received

1.3.2.3 External Payment System Queue History

You can view the details of external payment request in 'External Payment System Queue History' screen. You can invoke this screen by typing 'IFDEPSQH' in the top right corner of the Application toolbar and clicking the adjoining arrow button.

Click 'Enter Query' to view the archived records along with the archival date.

Figure 1-9 Trade Finance External Payment System Queue History

1.3.2.4 External Bill Liquidation

The following are the integration scope of OBTF with OBPM for external bill liquidation:

Prerequisites at OBPM:

Service Profile ID (PMDSPROF):

Create a Service Profile ID with Service Type as 'Webservice' in Service Profile ID (PMDSPROF) maintenance.

Figure 1-10 Service Profile Detail

The screenshot shows the 'Service Profile Detail' window. It has a title bar with a maximize button and a close button. Below the title bar is a toolbar with icons for 'New' (a document with a plus sign) and 'Enter Query' (a speech bubble). The main area contains a list of fields on the left and their corresponding input boxes on the right. The fields are: 'Service Profile ID' (with a red asterisk), 'Service Type' (with a red asterisk), 'User Name' (with a red asterisk), 'Password', 'Service Source Code', 'Application ID', 'Retry Count', 'Retry Interval', 'Connection Time Out(In Seconds)', 'Read Time Out(In Seconds)', and 'Header Profile'. The 'Service Type' field is currently filled with 'Rest Service'. At the bottom right of the form area are 'Audit' and 'Exit' buttons.

ECA System Maintenance (STDECAMT)

Create External Credit Approval Check system as 'OBTF' in STDECAMT screen.

Figure 1-11 External Credit Approval System

The screenshot shows the 'External Credit Approval System' window. It has a title bar with a maximize button and a close button. Below the title bar is a toolbar with icons for 'New' (a document with a plus sign), 'Copy' (two overlapping documents), 'Close' (a document with an X), 'Unlock' (a padlock with an X), 'Print' (a printer), and 'Enter Query' (a speech bubble). The main area contains two fields: 'Source System' and 'Description', both of which are filled with 'OBTF'. At the bottom right of the form area are 'Audit' and 'Exit' buttons.

External Credit Approval System (PMDECAMT)

Maintain External Approval System details for the ECA system 'OBTF' in the PMDECAMT.

- ECA System Class should be 'OBTF'
- Inter System Bridge GL should be with appropriate value. It should be in same as interbridge GL maintained at OBTF product processor in function id "IFDTFEPM – Trade Finance External System Maintenance".
- Communication Type should be 'Webservice'

- Communication Method should be 'Synchronous'
- Webservice URL should contain the URL of OBTF system where EAC check will be done. (E.g. http://<URL>/OBTFEPSService/OBTFEPSService?WSDL)
- Service Profile should be the 'Webservice' type Service profile created.

Figure 1-12 External Credit Approval System Detailed

External Accounting System Detailed (PMDACCMT)

Maintain the accounting system as 'OBTF' in PMDACCMT

- ECA System Class should be 'OBTF'
- Inter System Bridge GL should be with appropriate value. It should be in same as interbridge GL maintained at OBTF product processor in function id "IFDTFEPM – Trade Finance External System Maintenance".
- Communication Type should be 'Webservice'
- Communication Method should be 'Synchronous'
- Webservice URL should contain the URL of OBTF system where accounting will be done.
- Service Profile should be the Webservice profile created.
- Account System Mapping to be done based on the requirement.

Figure 1-13 External Accounting System Detailed

External Accounting System Detailed

NewEnter Query

External Accounting System *

Description

Communication Type

Communication Method

Timeout in seconds

Suppress Accounting Handoff

JMS Queue

Asynchronous

No

JMS Queue Preferences

Queue Profile

Outqueue JNDI Name

Inqueue JNDI Name

Inqueue Minimum Consumer Count

Inqueue Maximum Consumer Count

Inqueue Message Listener Class

accEntryResponseMdbBean

Faster Payment Preferences

Inqueue JNDI Name

Outqueue JNDI Name

Other Preferences

ECA System Class

Inter System Bridge GL

API Version

OBP

Base Version

O Auth Preferences

Token URL

Service Profile

WebService Preferences

WebService URL

WebService Action

Service Profile

ReST Preferences

ReST URL

Header Profile

Audit

Exit

External Trade Contract (STDCRTRD)

Replicate Trade contacts for which the payment message will be received in the External Trade Contract (STDCRTRD) maintenance.

Figure 1-14 External Trade Contract

External Trade Contract Input

NewCopyUnlockEnter Query

Host Code

Trade Contract Number *

Trade Contract Branch

Customer Number *

Contract Currency

Contract Status

Source System *

Source Account Branch *

Source Trade Contract *

HOST1

PK1EUNA211250503

PK1

000325

GBP

Active

OBTF

PK1

PK1EUNA211250503

Audit

Exit

External Notification Queue (PMDEXTNT)

Create External Notification Queue as 'OBTF' in PMDEXTNT screen.

Figure 1-15 External Notification Queue Detailed
Note

In PMDACCTL - Netting should be enabled at Account Template for OBTF Transactions (without Netting Response will be failed at OBTF level).

Prerequisites at OBTF:**Bills Branch Parameter Maintenance:**

In BCDBRPRM following inputs should be provided.

- Liquidate Bill on Incoming MT202 is checked.
- Maximum Retry Count is inputted.

Job Details:

- In SMSJOBBER Job Details screen – JOB OBTF_EXT_ASYNCCAL should be up and running to populate export bills into common core system.
- In TFSJOBBER Trade Finance Job Browser Screen – Process EXT_LIQUIDATION should be in running state.

External Bill Liquidation Processing:**Table 1-3 External Liquidation process flow:**

Process Flow	Product Processor	Description	Remarks
1	OBTF	OBTF propagates Export Bill details to Common Core table.	JOB - OBTF_EXT_ASYNCCAL Common Core Table - sttm_core_trade_contract

Table 1-3 (Cont.) External Liquidation process flow:

Process Flow	Product Processor	Description	Remarks
2	OBPM	On receipt of MT202, OBPM identifies message using reference number available in Tag 21 in common core If Tag 21 reference No is bill reference no, OBPM sends EAC request to OBTF to validate the bill is in valid state. OBTF validates EAC request and sends response to OBPM	Service : OBTFEPSService Operation : QueryEXTBCCContract
3	OBPM	On receipt of success response, OBPM sends EA request to OBTF for bill liquidation	Service : OBTFEPSService Operation : CreateExtBCEcaEntries
4	OBTF	OBTF parses the EA request and process Bill liquidation.	JOB Process - EXT_LIQUIDATION

External Bill Entries

On export bill creation Bill related details will be exposed to common core system screen External Trade Contract Input (STDCRTRD) using common core service FCUBSCoreentitiesService and operation CreateExternalTrade. OBPM system uses the common core External Trade Contract Input data for an Incoming MT202 to Bills.

OBPM calls the OBTF webservice OBTFEPSService and operation QueryEXTBCCContract to validate the bill. OBPM calls OBTF webservice OBTFEPSService and operation CreateExtBCEcaEntries for posting accounting entries. Once OBPM calls OBTF for accounting entries OBTF will initiate the Bill liquidation based on the OBPM request.

Provider	Service Name	Operation Code	Consumer
Common Core	FCUBSCoreentitiesService	CreateExternalTrade	OBTF
Common Core	FCUBSCoreentitiesService	ModifyExternalTrade	OBTF
Common Core	FCUBSCoreentitiesService	QueryExternalTrade	OBTF,OBPM

- EAC web service to validate the provided account number (Bill reference number).System to validate the availability of bill reference number along with the bill status and bill currency of received bill reference number(<CUST_AC_NO>) on receiving EAC request and respond with success or failure status(Synchronous response).

Provider	Service Name	Operation Code	Consumer
OBTF	OBTFEPSService	QueryEXTBCCContract	OBPM

Response Type	Error Code	Error Message
Success	ST-SAVE-073	Successfully Retrieved
Failure	LC-OPL-08	Currency is Not Valid
Failure	LC-VALS-107	Contract does not exist

- EA web service to process liquidation on the provided account number (Bill reference number).System to initiate liquidation event on receiving EA request and respond with the

success status. Asynchronous liquidation event will be triggered on the received reference number (<ACNO> of EA request).

- External Bill Entries to view the details of EA request and screen External Bill Liquidation Query to view the EA response and to retry the external bill liquidation in case of EA failure based on the parameter Maximum Retry count at Bills and Collection Branch Parameter.

Provider	Service Name	Operation Code	Consumer
OBTf	OBTfEPSService	CreateExtBCEcaEntries	OBPM

Liquidation Status	Repair Reason
Unprocessed	NA
In Progress	NA
Processed	NA
Repair	• BC-00279 : Invalid Contract Reference entered • BC-EXTLIQ09 : Liquidate bill on incoming MT202 is not set to Yes in branch parameter screen

Refer Common Core - Core Entities and Services User Guide and BC User Manual for Bills Liquidation user manual.

You can view the details of external bill entries through 'External Bill Entries' screen. You can invoke this screen by typing 'IFDEXBIL' in the top right corner of the Application toolbar and clicking the adjoining arrow button.

Figure 1-16 External Bills Entries

Existing accounting entries on liquidation events continues where as it debits bridges GL and credits customer account.

Click **Accounting Entries** to view the accounting entries for the external bill event.

The details of the accounting entries that were passed for the event are viewed here. The accounting entries that are passed depend on the type of bill processed.

The following information is provided for account entries:

- Contract Branch

- Contract Reference
- Contract Currency
- Debit or Credit
- Amount Tag
- Foreign Currency Amount
- Rate
- Local Currency Amount
- Date
- Value Date
- Event
- All MIS details that were allowed will also be displayed.

External Bill Liquidation Query and Retry

External Bill Query screen allows the user to resolve the technical failures in case of EA request.

Whenever an EA request is received from Payments through GW Webservice, Liquidation gets triggered by OBTF.

If Liquidation triggered by OBTF did not processed successfully, then retry liquidation provided in IFDEXLIQ to be enabled for repaired process records.

On click of retry liquidation external liquidation to be triggered automatically till the retry count provided in "Bills Branch Parameter maintenance" screen.

If external liquidation from external system is failed corresponding Bill should not be allowed for further operations except Query and Copy.

You can view the details of bill liquidation request through 'External Bill Liquidation Query' screen. You can invoke this screen by typing 'IFDEXLIQ' in the top right corner of the Application toolbar and clicking the adjoining arrow button.

Liquidation Status

The system displays the liquidation status. The list displays the following options:

Liquidation Status	Description
Un Processed	Bill liquidation is pending for processing
Processed	Bill liquidation processed successfully
Processing Failed	Bill liquidation processing failed due to unexpected failure
Improper Notification	Bill liquidation received is not in proper format
Empty Notification	Bill liquidation notification received

Table 1-4 Error Codes

Error Code	Type	Description
BC-EXTLIQ01	Error	Bridegl obtained from payments and maintained in trade are different
BC-EXTLIQ02	Error	Bridegl is not maintained in trade for payments
BC-EXTLIQ03	Error	External payment liquidation is in progress
BC-EXTLIQ04	Error	Maximum retry count allowed is \$1
BC-EXTLIQ05	Alert Message	External liquidation request submitted successfully
BC-EXTLIQ06	Alert Message	Exceeded maximum retry count maintained in branch parameter screen
BC-EXTLIQ08	Error	Complete pending external liquidation before proceeding
BC-EXTLIQ09	Error	Liquidate bill on incoming MT202 is not set to Yes in branch parameter screen

Index

C

CODUPLDM, [2](#)

G

GWDETFUN, [2](#)

I

IFDEPSQH, [12](#)

IFDEXBIL, [12](#)

IFDEXLIQ, [12](#)

IFDTFEPM, [2](#), [5](#), [12](#)

IFDTFPQU, [10](#)

ISDBICDE, [2](#)

P

PMDACCMT, [12](#)

PMDECAMT, [12](#)

PMDEXTNT, [5](#), [12](#)

PMDNWRLE, [5](#)

PMDSORCE, [5](#)

PMDSORNW, [5](#)

PMDSPROF, [12](#)

S

SMSJOBBER, [2](#), [12](#)

STDCIFCR, [7](#)

STDCRACC, [7](#)

STDCRGLM, [7](#)

STDCRTRD, [12](#)

STDCRTRN, [7](#), [8](#)

STDECAMT, [12](#)

T

TFEPSGENPAYMENT, [2](#), [8](#)