# Oracle Banking Trade Finance Oracle Banking Trade Finance – Oracle Banking Payments Integration User Guide



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## Preface

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## 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**

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## 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.
italic	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
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:

Fable 2 S	ymbols	and	Icons -	Common

Symbol/Icon	Function
JL	Minimize
ר <b>ר</b>	
r 7	Maximize
LJ	
×	Close
Q	Perform Search
•	Open a list
$\leftrightarrow$	Date Range
Ŧ	Add a new record



Symbol/Icon	Function
K	Navigate to the first record
X	Navigate to the last record
•	Navigate to the previous record
•	Navigate to the next record
88	Grid view
HE I	List view
Ċ.	Refresh
+	Click this icon to add a new row.
•	Click this icon to delete a row, which is already added.
iii iii	Calendar
Û	Alerts
£	Unlock Option
Ð	View Option
<b>\$</b>	Reopen Option

Table 2 (Cont.) Symbols and Icons - Common

# 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 chapter contains the following sections:

- Section 2.1, "Scope"
- Section 2.2, "Prerequisites"
- Section 2.3, "Integration Process"
- Scope
- Prerequisites
- Integration Process

## 1.1 Scope

This section contains the following topic:

- Section 2.1.1, "Integration Scope"
- 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 section contains the following topics:

- Section 2.2.1, "Prerequisites in Oracle Banking Trade Finance"
- Section 2.2.2, "Prerequisites in Oracle Banking Payments"
- Section 2.2.3, "Prerequisites in Common Core OBTF and OBPM"
- 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
<b>Connection Time Out</b>	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



1 L X

Field	Description
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 1-1 (Cont.) Service1 - Single Payment Service

### 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

External System *	OBPM		External System Type *	Payments		
Description External Payment Sy Inter System Bridge GL * 261100005		nt System	Read Time Out (In Seconds)		70	
		Q	Connection Time Out (In Seconds)	50		
Source System *	FCUBS		Archival Days		3	
Entity ID *	ENITITY ID1					
9/2/2/2411414/1975						налатинистическое самараниа такита + — в
9/227/41/4/UM/13:						нолатнока стоя аларанала + — <b>в</b>
	Service Name \$	Operation Code	Rest/Web Service Use	r Option ≎	Rest/Web Service User \$	+- E
	Service Name    PMSinglePayOut	Operation Code CreateSinglef	Rest/Web Service Use Pay Predefined User	r Option ≎	Rest/Web Service User PREETHI_A	+ - # Rest/Web Service URL 0 http://100.76.138.209:6060//PMReST/ob

• Maintain the External System Functions (GWDETFUN) for the below Source codes

Field	Suggested values				
External System	OBTF <module code=""></module>				
Function	IFGTFPNO				
Action	NEW				
Service Name	OBTFEPSService				
Operation Code	CreateEPSNotification				

### Figure 1-1 External System Functions

New C Copy X Clo	se 🖨 Print 🟳 Ente	r Query			
External System *	OBTFBC	Q	Description	OBTFBC	
Function *	IFGTFPNO	Q			
Action *	NEW		Bulk SMS Check		
Service Name	OBTFEPSService				
Operation Code	CreateEPSNotification				

## Figure 1-2 External System Function Summary

Save earch	Case Sensitive)	Reset 🖺 Clear All 📘 I	Details				Records per page 15
	Authorization Status		Record Status			Function	
	Action	Q	External System		Q		
Sear	ch Results					Lock	Columns 0 💌
Sear	ch Results Authorization Status 0	Record Status 🗘	F	=unction ≎	Action 🗘	Lock External Sys	Columns 0 ▼
Sear	Authorization Status  Authorized	Record Status $\diamond$ Open	F	Function ≎	Action ©	External Sys EXTSYS	Columns 0 •
Sear	Authorized Authorized	Record Status Open Open	F	Function 0 IFGTFPNO IFGTFPNO	Action  C NEW NEW	External Sys EXTSYS OBTF	Columns 0 •

### 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

New C Copy X Close	🛆 Unlock 🛱 Print 🟳 Enter Query		
Source Code *	OBTFBC Q		
Module Code *	IF Q		
Error Handling		Post Upload	
On Error *	Reject	Status * Authorized	
On Override *	Ignore	Purge Days	
		Allow Deferred Processing	
		Allow EOD with Deferred	
		Deletion Allowed	

- 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 SMSJOBBR 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

ource Maintenan	ice Det	ailed										
🗞 New 🕞 Copy [	Delete	X Close		🗗 Reopen	🖨 Print	Save	O <sup>4</sup> Authorize	€ Reverse	Rollover	🗸 Confirm	Liquidate	(I) Hold
Source C	ode *	SWIF			MIS Gr	oup		Q				
Host C	ode *	HOST1			UDF Gr	oup		Q				
Desc	ription		F									
Sourc	е Туре	Upload										
Prefunded Payme	nts											
Prefunded Payments A	llowed			Prefur	ded Payments	GL		Q				
Pricing App	licable			Auto-j Pre	process Claims funded Payme	for the form						
Duplicate Check F	ields					Ĩ.	Accounting &	Message Pr	eference			
Duplicate Check Period in	n Days						Preferr	ed Reference	Transaction Ref	erence		
Other Professores												
Other Preferences	ndling []	Not Pequired										
Validate Debit Aut	bority	Not Required			PSD Applica							
Validate Debit Adi				Not	ification Requi	red						
Incoming	SWIFT			Allow Back	Value Dated B Trans	sfer						
Allow External Auc	lit Info											
Credit to GL Paym	ents											
Inbound credit	t to GL			Inter	mediary Credit	GL		Q				
Pricing App	licable											
Auto Queue Prefe	rences											

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".



New 🗋 Copy 📆 Delete	X Close		Reopen	Print	Save	O <sup>#</sup> Authorize	t Revers	e 🔗 Rollover	Confirm	Liquidate	(I) Hold
Host Code *	HOST1										
Source Code *	OBTFBC	C	Ł	Descript	ion						
Network Code *	SWIFT	C	Ne	twork Descript	ion						
Transaction Type *	Outgoing		Network	Type Descript	ion						
Preferences											
Authorization Rekey Required				MIS Gro	oup		Q				
				UDF Gro	oup		Q				
Sanction 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 L Authori Authori Network Cu Future Value Validation on	imit Currency zation 1 Limit zation 2 Limit Release Limit edit Entry on d Transactic Booking Date	On Activation D on Preferences Required	ate	Q		
Authorization Rekey Fiel	ds									+	- ==
Rekey Field Name 🗘						Descr	iption 🗘				
No data to display.											
Page 1 (0 of 0 items)	< -∢ 1 ≯	>									

#### Figure 1-6 Source Network Preference Detailed

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

#### ::× **Network Rule Detailed** New Copy 🛆 Unlock 🖨 Print 🟳 Enter Query Host Code \* HOST1 Channel Type \* Single Payment Ε □ Rule Name <sup>\*</sup> ≎ Rule Expression 0 ork Code 📩 🌣 Priority 0 ValueOf { 'SERVICE\_LEVEL' } EQUAL SWIFT SWIFT 1 of 1 (1 of 1 items) |< ∢ 1 → >| Page Expression Details Expression Section Scope 0 LOP Type 0 LOP Data Type 0 Parameter String Page 1 of 1 (1 of 1 items) |< 4 1 >>| Audit Exit

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

New 🟳 Enter Query					
Heat Cade *	HOST US1	Communication Time	IMS Owner		
Host Code		communication type	JMS Queue		
Source Code	OBTFBC Q	Timeout in Seconds			
Notification System Class	OBTF				
JMS Preferences					
Outqueue JNDI Name		Queue Profile		Q	
WebService Preference	s				
WebService URL	http://fcubs.oracle.com:7005/OBT	F Service	OBTFEPSService		
ReST Preferences					
Header Profile					
ReST URL					

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 section contains the following topics:

- Section 2.3.1, "Installation Modes"
- Section 2.3.2, "Integration Processing"
- 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.



**OBTF Outgoing Payment Request** 

- 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

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 section contains the following topics

- Section 2.3.2.1, "OBTF Payment Request Initiation"
- Section 2.3.2.2, "External Payment System Queue"
- Section 2.3.2.3, "External Payment System Queue History"
- Section 2.3.2.4, "External Bill Liquidation"

:

- 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
- 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 'IFDTFPQU' in the top right corner of the Application toolbar and clicking the adjoining



ade Finance External	Payment System Queue Detailed			
Enter Query				
Queue Reference Number *	3372181448331551	Contract Reference Number	PK1GLIR211253020	
External Payment System Reference Number	2133701336989000	Initiating Module	L	
Source Reference Number	PK1GLIR211253020	Event Sequence Number	1	
Customer Reference Number	PK1GLIR211253020	Amount Tag	LITAX2_AMT	
Process Status	Payment Request Accepted			
Main	Parties	Parties	Other Details	
Host Code	HOST1	Service Code	GenRecvNotice	
Service Level Proprietary	RECV_NOTC	Source Code	OBTFLI	
Transaction Branch	PK1	Web Service User	PREETHI_B	
Initiation Date	05/05/2021	Customer No	000157	
Requested Execution Date	05/05/2021	Debtor Details		
Activation Date		Name	Dreedhil	
Transfer Type	Bank	Account Number	Preetmin	
Transfer Currency	GBP	Account Currency	GBP	
Transaction Amount	.45	Account Branch	PK1	
Prefunded Payments				
Remarks		Creditor Details		
Charge Bearer	Remitter all Charges	Name	Oracle Banking Trade Finance - PK1	
Beneficiary Charge Amount		Account Number	261100005	
DCN	3372181448323314	Account Currency	GBP	
Running Number	1	Account Branch	PK1	
Instrument Code				
Instrument Number				

### **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
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.

ror Information		*
Queue Reference Number	3372181448331551	
Response Type	Information	
Response Details	PM-SAVE-002;Transaction Processed and Authorized .	
ESTA WEST		Exi

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

External Payment System Reference Number			
Notification Information			+-8
□ Notification Reference Number ≎	Notification Event	Status 🗘	Maker Id 🗘
No data to display.			
Page 1 (0 of 0 items)  <			

#### **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.

Enter Query			
Queue Reference Number *		Contract Reference Number	
External Payment System Reference Number		Initiating Module	
Source Reference Number		Event Sequence Number	
Customer Reference Number		Amount Tag	
Process Status	Not Authorized	Archival Date	
Main	Parties	Parties	Other Details
Host Code		Service Code	
Service Level Proprietary		Source Code	
Transaction Branch		Web Service User	
Initiation Date		Customer No	
Requested Execution Date		Dahtar Dataila	
Activation Date		Debtor Details	
Transfer Type	Customer	Name	
Transfer Currency		Account Number	
Transaction Amount		Account Currency	
Prefunded Payments		Account Branch	
Remarks		Creditor Details	
Charge Bearer	Peneficiary - All Charges	Name	
Beneficiary Charge Amount		Account Number	
DCN		Account Currency	
Bunning Muset		Account Branch	
Running Number			
Instrument Code			

### 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.

Service Profile Detail		;;×
New D Enter Query		
Service Profile ID *		
Service Type *	Rest Service	
User Name *		
Password		
Service Source Code		
Application ID		
Retry Count		
Retry Interval		
Connection Time Out(In Seconds)		
Read Time Out(In Seconds)		
Header Profile	Q	
		Audit Exit

Figure 1-10 Service Profile Detail



### ECA System Maintenance (STDECAMT)

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

### Figure 1-11 External Credit Approval System

External Credit Approva	;; ;;	
New Copy X Close	습 Unlock 🖨 Print 🟳 Enter Query	
Source System	OBTF	
Description	OBTF	
		Audit Exit

### 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.



nen 1 copy [ii: beien	e X Close 🔓 Unlock 🗗	Reopen	Print	Save Of Authorize 🖓 Reven	se 🔗 Rollover 🛷 Confirm	E Liquida	ate 🕕 Hold
External Credit Approval *	OBTF	Q		Other Preferences			
Description	OBTF			System Class	OBTF		
Communication Type	Web Service			Inter System Bridge GL	24103010008590	Q	
Communication Method	Synchronous			API Version	Base Version		
Timeout in seconds	30			O Auth Preferences			
Suppress Accounting Handoff	No			Token URL			
Referral Type	No Referral			Service Profile		Q	
ECA Block Supported	Yes						
EAC Supported	Yes			OBTF			
JMS Queue Preferences				WebService Preference	5		
JMS Queue Preferences Queue Profile		Q		WebService Preferences	http://fcubs.oracle.com:7005/4	OBTF	
JMS Queue Preferences Queue Profile Outqueue JNDI Name	MDB_QUEUE	Q		WebService Preference: WebService URL WebService Action	http://fcubs.oracle.com:7005/6	OBTF	
JMS Queue Preferences Queue Profile Outqueue JNDI Name Inqueue JNDI Name	MDB_QUEUE MDB_QUEUE_RESPONSE	Q		WebService Preference: WebService URL WebService Action Service Profile	http://fcubs.oracle.com:7005/0 WEBSERVICE	OBTF	
JMS Queue Preferences Queue Profile Outqueue JNDI Name Inqueue JNDI Name Inqueue Maximum Consumer Count	MDB_QUEUE MDB_QUEUE_RESPONSE	Q		WebService Preference: WebService URL WebService Action Service Profile	http://fcubs.oracle.com:7005/4 WEBSERVICE	OBTF	
JMS Queue Preferences Queue Profile Outqueue JNDI Name Inqueue JNDI Name Count Inqueue Maximum Consumer Count	MDB_QUEUE MDB_QUEUE_RESPONSE	Q		WebService Preference: WebService URL WebService Action Service Profile	http://fcubs.oracle.com:7005/4 WEBSERVICE	Q	
JMS Queue Preferences Queue Profile Outqueue JNDI Name Inqueue JNDI Name Inqueue Maximum Consumer Count Inqueue Maximum Consumer Count	MDB_QUEUE MDB_QUEUE_RESPONSE	Q		WebService Preference: WebService URL WebService Action Service Profile	s http://fcubs.oracle.com:7005/i WEBSERVICE	Q	
JMS Queue Preferences Queue Profile Outqueue JNDI Name Inqueue JNDI Name Inqueue Maximum Consumer Count Inqueue Maximum Consumer Count Stater Payment Preferer	MDB_QUEUE MDB_QUEUE_RESPONSE	Q		WebService Preferences	5 http://fcubs.oracle.com:7005/r WEBSERVICE	Q	
JMS Queue Preferences Queue Profile Outqueue JNDI Name Inqueue JNDI Name Inqueue Maximum Consumer Count Inqueue Maximum Consumer Count Inqueue Maximum Consumer Faster Payment Preferer Inqueue JNDI Name	MDB_QUEUE MDB_QUEUE_RESPONSE	Q		WebService Preferences WebService URL WebService Action Service Profile	5 http://fcubs.oracle.com:7005/r WEBSERVICE	Q	

#### 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.

New D Enter Query				
External Accounting System *		Other Preferences		
Description		ECA System Class	OBP	
Communication Type	JMS Queue	Inter System Bridge GL		
Communication Method	Asynchronous	API Version	Base Version	
Timeout in seconds		O Auth Preferences		
Suppress Accounting Handoff	No	Token URL		
		Service Profile	Q	
JMS Queue Preferences		WebService Preferences		
Queue Profile	Q	WebService URL		
Outqueue JNDI Name		WebService Action		
Inqueue JNDI Name		Service Profile	Q	
Inqueue Minimum Consumer Count				
Inqueue Maximum Consumer Count				
Inqueue Message Listener Class	accEntryResponseMdbBean			
Faster Payment Preferences		ReST Preferences		
Inqueue JNDI Name		ReST URL		
Outqueue JNDI Name		Header Profile	Q	

### Figure 1-13 External Accounting System Detailed

### 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

New 🔂 Copy 🛆 Unloc	:k 🏳 Enter Query			
Host Code	HOST1			
Trade Contract Number *	PK1EUNA211250503			
Trade Contract Branch	PK1	Q		
Customer Number *	000325	Q		
Contract Currency	GBP	Q		
Contract Status	Active			
Source System *	OBTF	Q		
Source Account Branch *	PK1	Q		
Source Trade Contract *	PK1EUNA211250503			
<u>25.57270772551151</u>	12133331/15C		<u>INFRACTOR NATION</u>	2662622233

### **External Notification Queue (PMDEXTNT**

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



ernal Notification Q	lueue Detailed				SALVA DE T
New 🟳 Enter Query					
Host Code *	HOST_US1	Communication Type	JMS Queue		
Source Code *	OBTFBC Q	Timeout in Seconds			
Notification System Class	OBTF				
IMS Preferences					
Outqueue JNDI Name		Queue Profile		Q	
VebService Preferences	5				
WebService URL	http://fcubs.oracle.com:7005/OBTF	Service	OBTFEPSService		
ReST Preferences					
Header Profile					
ReST URL					

### 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 SMSJOBBR Job Details screen JOB OBTF\_EXT\_ASYNCCAL should be up and running to populate export bills into common core system.
- In TFSJOBBR Trade Finance Job Browser Screen Process EXT\_LIQUIDATION should be in running state.

**External Bill Liquidation Processing:** 

#### Table 1-3External 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



Process Flow	Product Processor	Description	Remarks
2	ОВРМ	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 : QueryEXTBCContract
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

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

### **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 QueryEXTBCContract 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	QueryEXTBCContract	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	<ul> <li>BC-00279 : Invalid Contract Reference entered</li> <li>BC-EXTLIQ09 : Liquidate bill on incoming MT202 is not set to Yes in branch parameter screen</li> </ul>

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

Enter Query									
Source Code			External Requ	uest		Q	Action Indi	icator	
Group Reference Number		Q	Ev	/ent			Referral All	owed	
Transaction Reference		Q	Event Serial Num	ber			Reference Nu	mber	
B-() Ctatur									
Kererrai Status	Accounting E	ntries						MIS	
Accounting Entries	Accounting E	ntries						MIS	+ ==
Accounting Entries	Accounting E	ntries Contract Curre	ncy $\hat{}$ Debit of	or Credit 0	Amount Tag ≎	Foreign Curr	ency Amount ≎	MIS Rate ≎	+ III
Accounting Entries	Accounting E	ntries Contract Curre	ncy 🌣 Debit o	or Credit 0	Amount Tag $\Rightarrow$	Foreign Curr	ency Amount 🗘	MIS Rate ≎	+ III

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.

Unprocessed	Liquidation Status	0	Come Defense Number *
		~	Group Reference Number
	Repair Reason		Branch Code
			Liquidation Bill Number
			User Id
	Retry Count	Retry Bill Liquidation	
	Debit Details		edit Details
	Account Number		Account Number
	Transaction Number		Transaction Number
	Transaction Date		Transaction Date
	Value Date		Value Date
	Currency		Currency
	Amount		Amount
	Debit Details Account Number Transaction Number Transaction Date Value Date		Credit Details Account Number Transaction Number Transaction Date Value Date

### **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	Туре	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



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