Patch Release Note Oracle Banking Trade Finance Release 14.7.2.0.0 Nov 2023





Patch Release Note Nov 2023 Version 14.7.2.0.0

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### 1. Overview

### 1.1 Issue Details

As part of Mashreq requirements, support regulatory requirements and other committed items changes are made in OBTF 14.7.2.0.0 release.

### 1.2 Requirement Summary

The requirements specific to Trade incremental changes and other committed items on integration with product processors are to be addressed as part of 14.7.2.0.0 version.



## 2. Accountee and Application Bank as Counterparty

### 2.1 Feature 1 – Accountee and Applicant Bank as Counterparty

• System enhanced to support Accountee and Applicant Bank as Counterparty of Import LCs

### 2.1.1 Functional Flow Diagram

Not Applicable

#### 2.1.2 Detailed Flow

### ✓ Existing functionality:

- Currently system supports Applicant as Counter party of Import LC.
- Party type will be defaulted as APP on Product default.

### ✓ System enhanced with below changes:

- System defaults Applicant as counter party of Import LC. Counter party can be modified as Accountee or Applicant Bank.
- When Accountee or Applicant Bank is counter party:
  - Settlement account of Accountee or APB should be considered for Charge, Commission, Tax and Collateral
  - Limits of Accountee or APB should be considered on *Default Limits* with Limit Tracking Required checked
  - o Debit advices should be generated accordingly
  - o Below advises should be sent to Accountee or Applicant Bank
    - LC Instrument copy ( LC\_INSTR\_COPY )
    - LC Amendment instrument copy (LC\_AM\_INST\_COPY)
    - LC Closure advise (LC CLOSE ADV)
    - Cash Collateral advice (LC CASH COL ADV)
    - Amendment of Import Credit ( AMD\_IMP\_CR )
    - LC Acknowledgement advice(LC ACK ADVICE)
    - LC Amendment acknowledgement advice (LC\_ACK\_AMND)
    - Trade Envelope Message should not be generated to Applicant Bank.
  - No impact on other advices.
- When Accountee is counter party:
  - Customer Reference Number should be mandatory when TRADE\_ENVELOPE message is configured and Accountee is a Counter Party
    - MT798 LC Issuance notification messages ( LC\_ISSUE\_NOTIF\_INDEX )
      - TAG 21A Customer Reference Number to be populated with Customer Reference Number of Accountee
    - Trade Envelope Message should be generated to Accountee if Accountee is a Corporate Customer

Import LC	MT798 - B2C
Import LC issuance	MT771/700/701/736
Import LC amendment	MT773/707/708

• Similar to applicant, below validations are introduced when APB/ACC is counter party.



- Restrict amendment of counter party during LC amendment (LCDAMEND)
- o Customer reference to be provided for counter party.
- Restrict amendment of party description for APB or ACC during LC issuance
- During Split Settlement of Charges and Commission:
  - Currently system considers APP/BEN to process Charges or Commission during LC issuance or LC Amendment
  - $\circ$   $\:$  System enhanced to consider counter party of the contract namely ACC/BEN or APB/BEN as applicable
- During Split Settlement of Collateral:
  - o Currently system validates Split settlement account should be Counter party account.
  - The same will be applicable when counter party is Accountee or Applicant Bank

### **2.1.2.1 UI Prototype**

Not Applicable

### **2.1.2.2 UI Elements**

Display Name	Description	Attribute Type	Object Type	Required/ Mandatory	Data Type/ Size	Field Validation	Default Value	Amen dable

Error Code	Error Condition	Type	Message Text	User Action



# 3. Advance by Loan changes

### 3.1 Feature 1 – OL product API changes - IFDOLPRT

- OL product API enhanced to capture minimum and maximum tenor
- Summary enabled for OL product API

### 3.1.1 Functional Flow Diagram

Not Applicable

### 3.1.2 Detailed Flow

✓ Existing create and modify OL product APIs enhanced to capture minimum and maximum OL tenor

Service Name	<b>Operation Code</b>	Tag Name
OBTFIFService	CreateOLProduct	MIN_TENOR MAX_TENOR
OBTFIFService	ModifyOLProduct	MIN_TENOR MAX_TENOR

✓ Summary enabled for OL product API : IFDOLPRT

Service Name	<b>Operation Code</b>	Request / Response
OBTFIFService	SummaryQueryOLProduct	Summary_request.x
		Summary_response.x ml

### 3.1.2.1 UI Prototype

Not Applicable

### **3.1.2.2 UI Elements**

Not Applicable

### 3.1.2.3 UI Error Messages

Not Applicable



### 3.2 Feature 2 – Loan processing changes

- Tenor and maturity date related processing
- Exchange Rate defaulted to Loan preference

### 3.2.1 Functional Flow Diagram

Not Applicable

#### 3.2.2 Detailed Flow

- ✓ System defaults standard tenor in loan preference and user can modify the same.
- ✓ Modified tenor should be within minimum and maximum loan tenor else system provides error message.
- ✓ Tenor and Maturity date derivation :
  - Existing functionality: Maturity date is derived based on tenor and debit value date. If tenor is modified, maturity date is re-defaulted based on modified tenor and units
  - o Expected changes:
    - When tenor is modified, on tab-out of tenor, maturity date to be re-computed (Debit Value Date + Tenor) in days, months or years based on unit.
    - When maturity date is modified, on tab-out of maturity date, tenor will be re-computed (Maturity date Loan value date) and unit will be defaulted to days.
- ✓ Exchange Rate processing enhanced as below :

Sl. No	Scenario	Exchange Rate processing	Expected changes
1	Bill in local currency. Loan created in local currency.	No impact	No impact
2	Bill in foreign currency.  Loan creation in bill currency.	No impact	No impact
3	Bill in foreign currency. Loan currency is defaulted with Bill currency. User can modify loan currency to local currency.	Exchange rate in loan preference defaulted based on OL product.  Exchange rate in Split settlement defaulted based on BC product.  Rate Type to be same in BC and OL products to be operationally controlled.  Defaulted exchange rate is not modified.	No impact
4	Bill in foreign currency. Loan in local currency.	Exchange Rate default as mentioned above. Exchange Rate in loan preference modified.	No impact on existing functionality: Exchange Rate in loan preference defaulted with Exchange Rate in Split Settlement.
5	Bill in foreign currency.  Loan in local currency.	Exchange Rate default as mentioned above. Exchange Rate in Split Settlement modified.	No impact on existing functionality: Exchange Rate in loan preference and Exchange Rate in Settlement defaulted with Exchange Rate in Split Settlement.
6	Bill in foreign currency.  Loan in local currency.	Exchange Rate default as mentioned above. Exchange Rate in Settlement modified.	System enhanced as below: Exchange Rate in loan preference defaulted with Exchange Rate in Settlement. Override will be provided. No impact in Split Settlement.



3.2.2.1 UI	Prototype			
Not A	pplicable			
3.2.2.2 UI	Elements			
Not A	pplicable			
3.2.2.3 UI	Error Messages			
Error Code	<b>Error Condition</b>	Туре	Message Text	User Action

 $\checkmark$  Above changes will be supported for loan creation during Import Bill liquidation.



### 3.3 Feature 3 – FX Split Settlement Changes

- FX rate is applied for split settlement if FX linked to the contract.
- Negotiated rate provided in split settlement is applied to settlement when both card rate and Negotiated rate is provided for the non-FX portion of the contract amount.

### 3.3.1 Functional Flow Diagram

Not Applicable

### 3.3.2 Detailed Flow

- ✓ System displays BILL\_FX\_LIQD tag in split settlement if FX is linked to the contract.
- ✓ FX rate is applied to the split settlements under basis amount tag BILL\_FX\_LIQD.
- ✓ Advance by loan and Settle available balance splits are supported for FX rate split changes.
- ✓ Card rate is applied to collateral split under BILL\_LIQD\_AMT if liquidate using collateral is enable even though FX is linked in the contract.
- ✓ When FX is linked to partial amount, Split settlements for BILL\_LIQ\_AMT & BILL\_FX\_LIQD is displayed.
- ✓ Loan creation rate will be weighted average of FX rate loan split and card rate loan split when FX is linked for partial amount.
- ✓ Negotiated rate is considered in split settlement for BILL\_LIQD\_AMT split if both negotiated rate and card rate is populated.

### 3.3.2.1 UI Prototype

Not Applicable

#### **3.3.2.2 UI Elements**

Not Applicable

Error Code	Error Condition	Туре	Message Text	User Action
TF- SPLIT21	Error is show when Exchange rate for FX split settlements is modified.	Е	FX Split Settlement Exchange Rate can not be Modified	User should not modify the defaulted FX rate for FX related split settlements.
TF- SPLIT22	Error is show when account for BILL_FX_LIQD and BILL_LIQ_AMT when fx is linked to the contract.	Е	and FX liquidation tags	Account for the tags BILL_FX_LIQD and BILL_LIQ_AMT should be same when FX is linked to contract.



### 4. Guarantee Claim Extension

### 4.1 Feature 1 – Guarantee Claim Extension changes – LCDGCLM/LIDGCLM

- System enhanced to provide Charges, Tax and Advices of guarantee amendment during claim extension from Extend or Settle to Extension with a provision to modify the same
  - New event GCEX introduced to process both claim amendment and guarantee amendment
  - Charges, Tax and Advices of both claim amendment and guarantee amendment to be configured in GCEX.
  - Provision to waive or modify Charges and Tax
  - o Provision to modify media of messages
- Commission subsystem introduced in Claim lodgement with provision to view Commission
- Islamic claim extension enhanced to support the same
- Simulation and handoff enhanced to support the same

### 4.1.1 Functional Flow Diagram

Not Applicable

### 4.1.2 Detailed Flow

### ✓ Existing functionality :

- Claim amendment from Extend or Settle to Extension:
  - o GCAM event triggered with provision to modify charges of claim amendment GCAM.
  - o Internally system triggers guarantee amendment and AMND is triggered.
  - Amendment will be available in LCDGUAMD.
  - GUA\_AMD\_INSTR (MT767) will be generated.
  - Commission will be collected for increased tenor. CLIQ will be triggered.
  - Guarantee amendment charges will be collected as part of AMND.
  - Guarantee amendment changes will be propagated to LCDGUONL.
- ✓ System enhanced with below changes for guarantee extension :
  - Claim amendment and guarantee extension will be processing in a single event.
    - New event GCEX Guarantee Claim Extension introduced for the same
  - Product maintenance to be done as below:
    - o Charges and tax of claim amendment (GCAM) and guarantee amendment (AMND) to be configured as part of the new event GCEX
    - Guarantee amendment advice GUA\_AMD\_INSTR (MT767) to be configured in GCEX

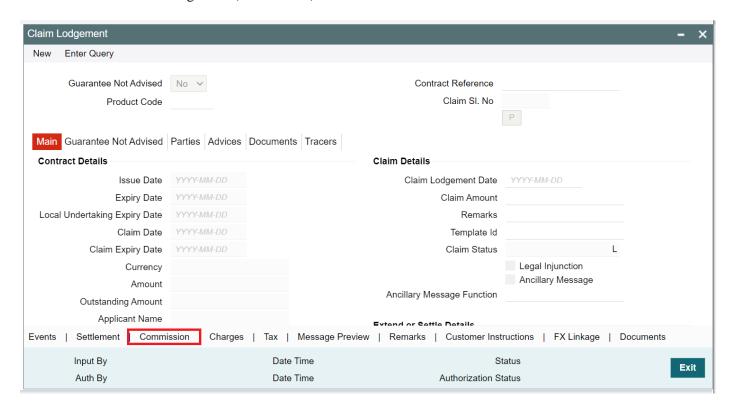


- Claim amendment (GCAM) and guarantee amendment (AMND) related accounting entries to be configured in GCEX event
- Guarantee Claim lodgement (LCDGCLM/LIDGCLM) enhanced as below:
  - Commission subsystem introduced in claim lodgement and will be enabled only during claim amendment from Extend or Settle to Extension.
  - O During Claim amendment from Extend or Settle to Extension, system will process both claim amendment and guarantee amendment with New Expiry date.
    - New event GCEX will be triggered. GCAM and AMND will not be triggered.
    - Charges of GCEX event (claim amendment and guarantee amendment) will be available in Charges subsystem and the same can be modified or waived
    - Tax for Charges or Commission will be processed as configured.
    - Guarantee amendment advice GUA\_AMD\_INSTR (MT767) will be available in Advices with provision to modify media. 26E (Number of amendment) will be derived considering other financial amendments
    - Commission will be computed for increased Expiry date and as per existing functionality, total commission amount will be provided in Commission subsystem against BISS component. CLIQ will be triggered and accounting entries will be triggered for additional Commission amount.
    - GCEX will be version creation event and guarantee amendment details will be available in guarantee online (LCDGUONL)
    - Deletion or Authorization of claim amendment can be done only from claim lodgement (LCDGCLM)
    - Reversal of claim extension is not supported
  - In case of claim amendment for Legal Injunction, GCAM will be triggered as per existing functionality.
- Guarantee amendment (LCDGUAMD):
  - Claim extension details will not be available in Guarantee amendment.
  - Subsequent financial amendments from LCDGUAMD will consider claim extension amendment. Number of amendment will be incremented and MT767.26E will be populated appropriately.
- Guarantee online (LCDGUONL):
  - o Guarantee amendment (GCEX) can be queried from LCDGUONL
  - Deletion and authorization of GCEX is restricted from LCDGUONL
  - o Reversal of Claim extension is not supported
- Islamic claim extension enhanced to support the same (LIDGCLM)
- Handoff and simulation related APIs (LCDGCLMS/LIDGCLMS) enhanced to support the same.

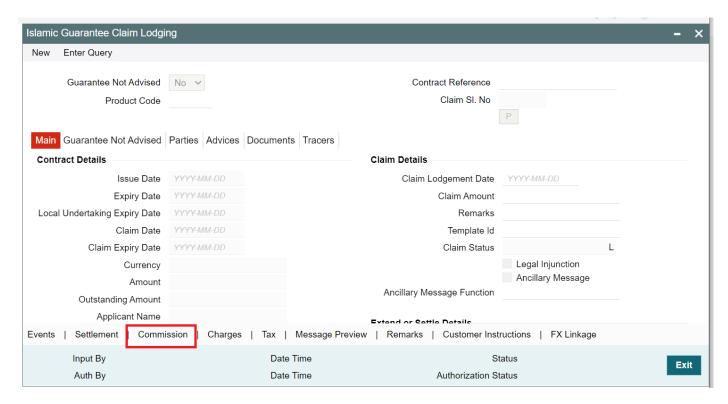


### 4.1.2.1 UI Prototype

### Guarantee Claim Lodgement (LCDGCLM)



### Islamic Guarantee Claim Lodgement (LIDGCLM)





### **4.1.2.2 UI Elements**

Display Name	Description	Attribute Type	Object Type	Required/ Mandatory	_ v _	Field Validation	Default Value	Amen dable

Error Code	Error Condition	Туре	Message Text	User Action
LCCON- 0112	Authorize claim extension from Guarantee online screen	Error	authorized from the contract	Claim extension to be authorized from Claim lodgement
LCCON- 136	Authorize claim extension from Guarantee online screen	Error		Claim extension to be deleted from Claim lodgement
LC- VALS- 962	Reversal of Claim extension	Error	Reversal of Guarantee Claim Extension is not allowed	Reversal of Guarantee Claim Extension is not supported



# 5. Incoming Message Linkage

### 5.1 Feature 1 – Incoming Message Linkage – B2B Messages

Provision to view incoming message for contracts initiated from OBTFPM

### **5.1.1 Functional Flow Diagram**

Not Applicable

### 5.1.2 Detailed Flow

- ✓ Handoff from OBTFPM to OBTF are processed and transactions are created with source code as OBTFPM.
- ✓ STP processing of incoming messages in OBTFPM can be successful or may fail due to some reason. In case of failure, OBTFPM refers to incoming message and transaction is created manually in OBTFPM. Handoff request is sent to OBTF in both the scenarios.
- ✓ Currently there is no provision to view the incoming message for transactions initiated by OBTFPM. System enhanced to view the incoming messages. Additional parameters needs to be provided in header to link related incoming messages.

Parameter Name	Parameter Value	Processing
INCOMINGSWIFT1	DCN	System will update Contract reference number in MSTB_TF_DLY_MSG_IN.GENERATED_REF_NO based on DCN provided in the request.
		<ul> <li>Multiple DCNs can be provided in the request in case of extension messages. Maximum of 8 DCNs can be provided, one for main message and maximum of 7 extension messages.</li> </ul>
		<ul> <li>INCOMINGSWIFT1, INCOMINGSWIFT2, INCOMINGSWIFT3, INCOMINGSWIFT4, INCOMINGSWIFT5, INCOMINGSWIFT6, INCOMINGSWIFT7, INCOMINGSWIFT8 are related parameter names</li> </ul>
INCOMINGSWIFT	Reference Number	System will update Contract reference number in MSTB_TF_DLY_MSG_IN.GENERATED_REF_NO based on Reference Number provided in the request. Reference Number will be the same for extension messages as well.



Handoff request reference:



- ✓ System will process **value** provided in handoff request in below sequence :
  - o Verify value against DCN and update generated reference number if DCN exists else
  - O Verify value against reference number and update generated reference number if exists else
  - o Provide override stating value does not exist
- ✓ Incoming message will be listed in *All Messages* (MSDTFAMG) with Direction (IN) and Event Code (STP) and incoming message can be viewed by with *Message* option.
- ✓ Incoming message linkage is supported for below LC, Guarantee and Bills B2B messages :

Sl.No	MSG_TYPE	DESCRIPTION	Module	Extension messages (Maximum of 7)
1	MT700	Issue of a Documentary Credit	LC	MT701
2	MT705	Pre-Advice of a Documentary Credit	LC	
3	MT707	Amendment to documentary credit	LC	MT708
4	MT710	DOCUMENTARY CREDIT	LC	MT711
5	MT720	Transfer of a Documentary Credit	LC	MT721
6	MT760	Guarantee Instrument	Guarantee	MT761
7	MT765	Guarantee Claim Advice	Guarantee	
8	MT767	Guarantee Amendment	Guarantee	MT775
9	MT750	Advice of Discrepancy	Bills	

### 5.1.2.1 UI Prototype

Not Applicable

### **5.1.2.2 UI Elements**

Not Applicable

Error Code	<b>Error Condition</b>	Туре	Message Text	User Action
LC- UPL0045	Indicates invalid value is provided for INCOMINGSWIFT	Override	INCOMINGSWIFT.	Valid value should be provided in the request for incoming message linkage



Provision to view incoming MT798 related messages for contracts initiated from OBTFPM

### 5.2.1 Functional Flow Diagram

Not Applicable

#### 5.2.2 Detailed Flow

- ✓ Handoff from OBTFPM to OBTF are processed and transactions are created with source code as OBTFPM.
- Currently there is no provision to view incoming MT798 related messages for transactions initiated by OBTFPM. System enhanced to view the same. Additional parameter needs to be provided in header to link related incoming messages.

Parameter Name	Parameter Value	Processing
INCOMINGSWIFT79 8	ENV_CUST_REF_N O (Customer Reference Number)	<ul> <li>Customer Reference Number will be unique for all index, detail and extension messages.</li> <li>System will update Contract reference number in MSTB_TF_DLY_MSG_IN.GENERATED_REF_NO based on ENV_CUST_REF_NO ( Customer Reference number )</li> </ul>



Handoff request reference:

- ✓ System will process **value** provided in handoff request as below :
  - Verify value against ENV\_CUST\_REF\_NO and update generated reference number if ENV\_CUST\_REF\_NO exists else
  - o Provide override stating value does not exist
- ✓ Incoming messages will be listed in *All Messages* (MSDTFAMG) with Direction (IN) and Event Code (STP) and incoming message can be viewed by with *Message* option.
- ✓ Incoming message linkage is supported for below MT798 messages :

Import Documentary Credit								
Message description	MT Msg Type	Sub Msg Type	Status	Max Occur	Name	Base Msg Type		Scenario Handoff request from OBTFPM
	MT798	770	М	1	LC Application Index			Import LC issuance
Application for	MT798	700	М	1	LC Application Details	MT700		
Documentary Credit - C2B	MT798	701	0	7	LC Application Extension	MT701		import Le issuance
Request for amendment of Documentary Credit - C2B	MT798	772	М	1	LC Amendment Request Index			Import LC amendment



	MT798	707	М	1	LC Amendment Request Details	MT707	
	MT798	708	0	7	LC Notification of Amendment Details	MT708	
Response to Advice of Discrepancy – C2B	MT798	749	М	1	LC Discrepancy Response Index		
			Ехро	ort Docui	mentary Credit	,	
Advice of Acceptance/Refusal of Amendment – C2B	MT798	735	М	1	LC Amendment Acceptance Advice Index		Export LC amendment confirmation
Response to Advice of Discrepant Presentation – C2B	MT798	738	М	1	LC Discrepant Presentation Response Index		
Request for Transfer of a  Documentary Credit – C2B	MT798	722	М	1	LC Transfer Request		Transfer of Export LC
	1		Guarante	ee / Stan	dby Letter of Credit	,	
	MT798	784	М	1	Guarantee / Standby / Undertaking LC Application Index		
Application for issuance of Guarantee / Standby Letter of Credit – C2B	MT798	760	М	1	Guarantee / Standby / Undertaking LC Application Details	MT760	Guarantee issuance
	MT798	761	0	7	Guarantee / Standby / Undertaking LC Application Extension	MT761	
	MT798	763	М	1	Guarantee / Standby Amendment Request Index		
Request for amendment of Guarantee / Standby Letter of Credit – C2B	MT798	767	М	1	Guarantee / Standby Amendment Request Details	MT767	Guarantee amendment
	MT798	775	0	7	Guarantee / Standby Amendment Request Extension	MT775	
	MT798	728	М	1	Response to Guarantee / Standby Amendment Index		Amendment confirmation of Advice
Response to Guarantee / Standby Letter of Credit Amendment – C2B	MT798	787	М	1	Response to Guarantee / Standby Amendment Details	MT787	of Guarantee
Response to extend or pay Guarantee / Standby Letter of Credit – C2B	MT798	778	М	1	Response to extend or pay Guarantee / Standby Index		Guarantee claim amendment from Extend or Settle to Extension.
Demand for payment	MT798	712	М	1	Demand for payment of Credit Index		
under Guarantee / Standby Letter of Credit – C2B	MT798	765	М	1	Demand for payment under Guarantee/Standby Details	MT765	Claim lodgement for Advice of Guarantee
Request for Guarantee / Standby Letter of Credit Reduction / Release – C2B	MT798	783	М	1	Request for Guarantee / Standby Reduction / Release Index		Advice of Reduction for Guarantee



# 5.2.2.1 UI Prototype

Not Applicable

### **5.2.2.2 UI Elements**

Not Applicable

Error Code	Error Condition	Туре	Message Text	User Action
LC- UPL0045	Indicates invalid value is provided for INCOMINGSWIFT798	Override	INCOMINGSWIFT798.	Valid value should be provided in the request for incoming message linkage



### **6.** ISO20022 - MX Credit Transfer Notification

### 6.1 Feature 1 – ISO 20022 – MX Credit Transfer Notification

- The requirement is to support ISO 20022 Bank to Customer FinancialInstitutionCreditTransfer (pacs.009) & FIToFICustomerCreditTransfer (pacs.008) Notification messages from OBPM for Credit transactions in OBTF.
- The pacs.009 MX format otherwise known as the FinancialInstitutionCreditTransfer & the pacs.008 MX format otherwise known as the FIToFICustomerCreditTransfer messages are sent by OBPM to OBTF after OBPM processed the payment successfully.

### 6.1.1 Functional Flow Diagram

Not Applicable

### 6.1.2 Detailed Flow

- Swift MX type will be updated based on swift message type received from OBPM.
- Introduced field SWIFT MX Type to display the MX type values in the below screens,
  - o Trade Finance Message (CSDTFMVW)
  - o Trade Finance Message (MSDTFVMS)
  - o Trade Finance Message (MSDTFOBR)
  - o Finance Outgoing Message Browser summary (MSSTFOBR)
- Credit Transfer notification will also be shown in the view tab of Trade Finance Outgoing Message Browser Screen (MSSTFOBR).

### 6.1.2.1 UI Prototype

Not Applicable

#### **6.1.2.2 UI Elements**

Not Applicable

Error Code	Error Condition	Туре	Message Text	User Action



# 7. EA Performance Changes

### 7.1 Feature 1 – EA Asynchronous Posting

System enhanced to post EA transactions asynchronously using queues or webservices and send the request to multiple DDA System.

- ➤ Replaced existing EA Job 'TF\_EA\_CALL' with the new Job 'OBTF\_EA\_CALL'.
- ➤ EA Processing table Request/Response logging has been modified to TFTB\_EXT\_ACCOUNTING\_LOG.
- > Retry of EA failures can be processed from OBTF through screen "External Accounting Entries Browser".

### 7.1.1 Functional Flow Diagram

Not Applicable

### 7.1.2 Detailed Flow

### **Integration Parameters Maintenance screen**

Function ID: IFDINPRM

Menu: Branch Parameters → Maintenance

Integration Parameters Maintenance to be done for Read Time Out (In Seconds) and Connection Time Out (In Seconds) and MDB Provider URL.

- Read Time Out (In Seconds)/ Connection Time Out (In Seconds) fields maintained to support the read/connection time out respectively for the new EA changes.
- MDB Provider URL will be used if the Communication channel configured as MDB Queue and Asynchronous (providing along with MDB QCF value) mode.

### **Account Handoff Preference Maintenance**

Function id: IFDACHPF

Menu: → Common Entity → Maintenance

GL System and Offset GL System for the system to be maintained in Account Handoff Preference Maintenance screen.

#### **JOB Maintenance**

Function id: STDJOBMT

Menu: → Jobs → Maintenance

Introduced new Job 'OBTF\_EA\_CALL' and maintained and scheduled. Existing OBTF Job TF\_EA\_CALL has been made as inactive. Param values BLOCK\_SIZE (as 1000) and NO\_OF\_THREAS (as 10) to be maintained to process 100 records for each thread.

#### **External Accounting Entries Browser**

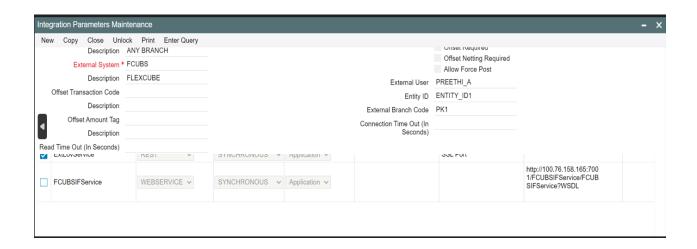
Menu: → Trade Finance – Interface → External System Maintenance

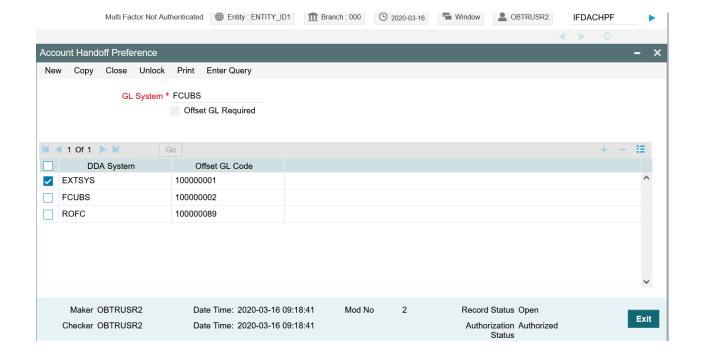
- External Accounting Entries Browser screen can be used to query, open and view the EA accounting request changes and can view the entries.
- Buttons Request, Response, Accounting entries and errors can be used to view the related details in launch screen.



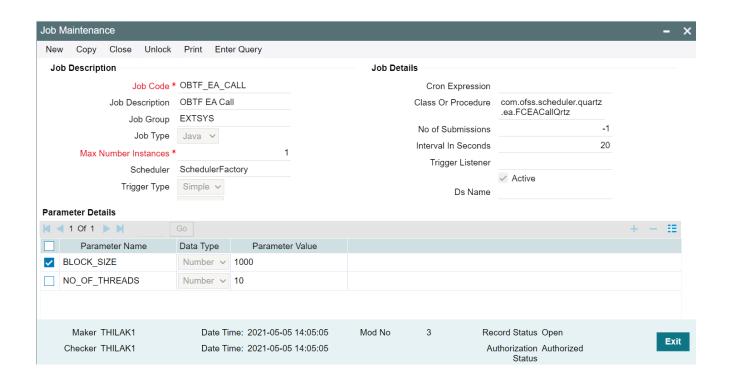
• Retry button will be used for attempting manual retry in case of failure of EA transaction entry.

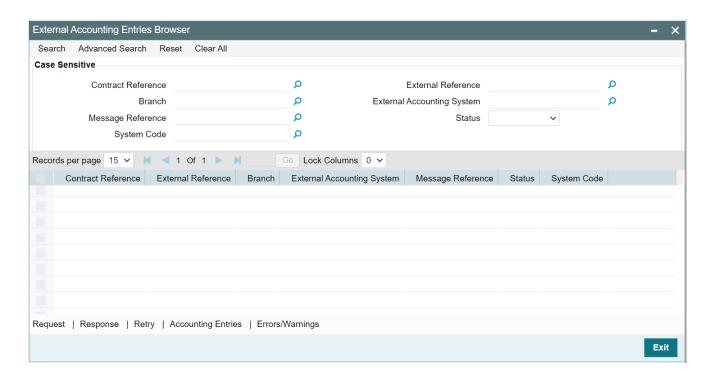
### **7.1.2.1 UI Prototype**











### **7.1.2.2 UI Elements**

Not Applicable



Error Code	Error Condition	Туре	Message Text	User Action

