Messaging User Guide Oracle Banking Payments

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Messaging User Guide Oracle Financial Services Software Limited

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1. About this Manual

1.1 Introduction

This manual is designed to help you to quickly get familiar with the messaging functionalities of Oracle Banking Payments in addition to the electronic messaging support available as part of Common-Core. It takes you through the various stages in Messaging functionality.

You can further obtain information specific to a particular field by placing the cursor on the relevant field and striking <F1> on the keyboard.

1.2 <u>Audience</u>

Role	Function
Payment Department Operators	Messaging functions Input functions except Authorization.
Back Office Payment Department Operators	Messaging monitoring maintenances/Payment Transaction Input functions except Authorization
Payment Department Officers	Messaging monitoring and authorization
Bank's Financial Controller/ Payment Department Manager	Host level processing related setup for PM module and PM Query functions

This manual is intended for the following User/User Roles:

1.3 **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.

1.4 Organization

This manual is organized into the following chapters.:

Chapter	Description
Chapter 1	About this Manual gives information on the intended audience. It also lists the various chapters covered in this User Manual.
Chapter 2	<i>Messaging</i> provides information on Messaging functionality in Oracle Banking Payments.
Chapter 3	<i>Function ID Glossary</i> has alphabetical listing of Function/Screen ID's used in the module with page references for quick navigation.

1.5 <u>Glossary of Icons</u>

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

lcons	Function		
×	Exit		
+	Add row		
(- ()	Delete row		
Q	Option List		



2. Messaging

This document details bulker, de-bulker, router and the SWIFTNet connectivity framework to be built in the Oracle Banking Payments to send the bulked files to the SWIFTNet network through SAG with the File Act protocol.

The files are bulked and stored on Application server. The file from Application server will be transmitted to SWIFT over FTA.'

The system technically bulk MT messages and routes them to configured destination.

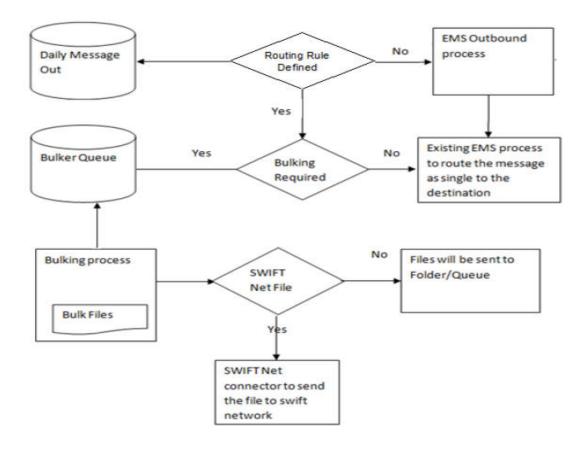
The system transmits and receives bulked files from SWIFT Network using SAG interface, through the FTA (Folder) connector.

This chapter contains the following sections:

- Section I, "Section 2.7, "SWIFT Message Routing Parameter Maintenance""
- Section 2.2, "Key Features of Messaging"
- Section 2.3, "Basic Maintenance for File Exchange"
- Section 2.4, "Bulking and De-bulking of SWIFT MT Messages"
- Section 2.5, "File Transmission over SWIFTNet"
- Section 2.6, "SWIFT LAU"
- Section 2.7, "SWIFT Message Routing Parameter Maintenance"

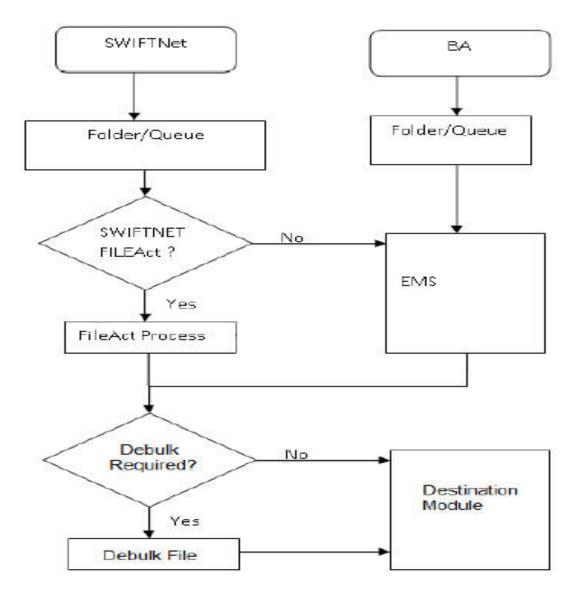
2.1 <u>Message Flow Diagrams</u>

The below flow diagram depicts the flow of outgoing message:

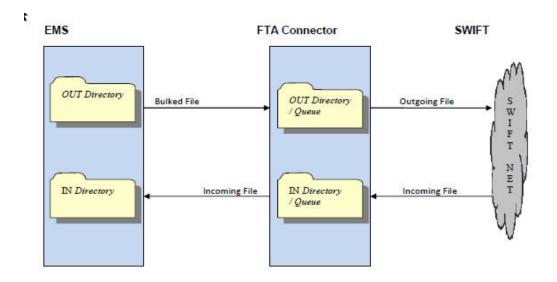




The below diagram depicts the flow of incoming message:



The below diagram depicts the flow diagram of data exchange with SWIFTNet.





2.2 Key Features of Messaging

Routing rules is defined for each module. Using these routing rules the messages are sent to the mapped destinations. To achieve this multiple maintenances are introduced.

- Rule definition This screen is used to define the rule and respective destination.
- Rule Group This maintenance is used to map the modules to different rule groups.
- Rule Priority This maintenance is used to prioritise the rules.

The following functionalities is developed to support the routing of messages to different destinations.

2.2.1 <u>Rule Parameter</u>

Rule parameters is part of day zero set up. There is no user interface to maintain this.

The following set of standard rule parameters is used for all type of rule definition-

- Amount
- Currency
- Media
- Network Code
- Sender BIC
- Receiver BIC
- Message Type
- Module Name

2.2.2 Rule Definition

Rule configuration maintenance is provided to define the rule and to map it to a specific destination. Standard set of parameters are available while defining a rule. You can also provide values manually for evaluating the rules. On same screen option is provided to map rule to its destination. Each rule must belong to a rule group.

Messaging provides a router implementation which evaluates configured rules and identifies the destination for a message dynamically. The Routing capabilities in messaging include ability to define/modify rule configurations based on a set of pre-defined routing parameters. These parameters are stored in the Database and for each routing configuration; the values for these routing parameters is calculated at runtime, thus enabling dynamic routing configuration.

Destination for any message is mapped on the rule definition screen. This is done by specifying the rules which unambiguously lead to the selection of a single destination to be used for outward transmission of data from messaging.

Routing configuration supports routing based on the messaging standard parameters.

Routing rule can be mapped to following entities in the system.

- Connectivity Lines
- Bulker
- De-bulker
- Folder
- Queue

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2.2.3 Rule Group

You can group one or more modules into different groups. Based on the rule groups a module is associated with, mapped rules are executed to identify the qualifying rule definition and thus destination for any message.

Each module can belong to only one rule group to avoid ambiguous results.

The modules for which routing rules should be used for identifying the destination is added to a default rule group as part of day zero script.

When a message is received from a modules that is not a part of any rule group, the existing EMS flow is considered to identify its destination.

2.2.4 Rule Priority

You can provide priority of rules belonging to a rule group. Based on this priority, rules are executed to identify the qualifying rule definition and thus destination for any message. First rule that matches the message properties is used to identify the destination for that message.

2.3 Basic Maintenance for File Exchange

A message is routed to the specific SWIFT connector, bulker, folder or queue if they meet certain user-defined criteria.

Routing Rules are defined for each module. Using these routing rules, the messages are sent to the mapped destinations. To achieve this, the following maintenances are introduced:

- Rule Definition Used for defining rules and respective definitions.
- Rule Group Used for mapping modules to different groups
- Rule Priority Used for prioritizing rules

2.3.1 Invoking Distinguished Name Definition Screen

The Distinguished Name (DN) serves to uniquely identify any entity that sends or receives messages over SWIFTNet.

Distinguished name follow an X.500-compliant naming convention. Refer the SWIFTNet Naming and Address Guide from SWIFT for more details.



You can invoke 'Distinguished Name Definition' screen by typing MSDDSTNM' in the field a the top right corner of the Application tool bar and clicking on the adjoining arrow button	at
Existinguished Name Definition	X

↔	dished Hame Delinition				~
New	Enter Query				
	Distinguished Name ID *				
	Distinguished Name *	10 10			
	Description				
	Maker	Date Time:	Mod No	Record Status	Party of the local data and the
(Checker	Date Time:		Authorization Status	Exit

You can specify the following fields:

Distinguished Name ID

Specify the unique identification of the distinguished name.

Distinguished Name

Specify the distinguished name to identify the entity that sends or gets messages.

Description

Specify the description of the distinguished name.

2.3.2 <u>Viewing Distinguished Name Summary</u>

This summary screen is used to view the distinguished name serves. It includes the information about the various distinguished names and the description.

You can invoke "Distinguished Name Summary" screen by typing 'MSSDSTNM' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Distinguished Name Definition Summary			- ×
Search Advanced Search Reset Clear All			
Case Sensitive			
Authorization Status		Record Status	
Distinguished Name ID	٩	Distinguished Name	٩
Records per page 15 🔻 💘 ┥ 1 Of 1 🕨 🛤	Go Lock Columns 0 💌		
Authorization Status Record Status D	istinguished Name ID Distinguis	shed Name Description	
			Exit

You can search using one or more of the following parameters:

- Distinguished Name Id
- Distinguished Name
- Authorization Status
- Record Status

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria for the following:

- Distinguished Name Id
- Distinguished Name
- Description
- Authorization Status
- Record Status

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2.3.3 Invoking SWIFTNet Service Definition Screen

This screen is used to capture SWIFTNet service details.

SWIFT Net service should be a valid SWIFT Net service to which the bank has registered to send the message.

When the message is sent through the File Act, the service name attribute is sent with the envelope.

This service name defined from this screen gets listed in the protocol parameters to choose the service name, which is used for constructing the envelope to send to SWIFT Net.

You can invoke 'SWIFTNet Service Definition' screen by typing 'MSDSWTSR' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button...

SWIFTNet Servic	e Definition							-	X
New Enter Qu	ery								
SwiftNet service	ce Definition								
	Service Name *								
	Service Mode	Real Time(RT) Store And Forward(SnF)							
Requestor DN De					DN Details				
	equestor DN	Go	+ - 8	K < 1	Of 1 🕨 🕅 Responder D	Go	+ -	- 8	
		D.1. T.				D			
Maker		Date Time:		Mod No		Record Status		Exit	ł
Checker		Date Time:				Authorization Status			

You can specify the following fields:

Service Name

Specify the SWIFTnet Service name.

Service Mode

Select any one of the service modes.

• Real Time- Choose this button to send and receive messages real-time.



• Store and Forward - Choose this button to send and receive messages by storing them in a location and then forwarding them accordingly.

Note

Real Time option is selected by default.

Requestor DN

Specify the DN that send request to the service.

Note

You must provide at least one DN.

Responder DN

Specify the DN that responds request to the service.

Note

You must provide at least one DN.

2.3.4 <u>Viewing SWIFTNet Service Summary</u>

This summary screen is used to display SWIFTNet service details.



You can invoke "SWIFTNet Service Summary" screen by typing 'MSSSWTSR' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

SwiftNet Service Definition Summary	- X
Search Advanced Search Reset Clear All	
Case Sensitive	
Authorization Status Record Status	
Records per page 15 🔻 🔘 🚽 1 Of 1 🕨 🔰 🛛 Go 🛛 Lock Columns 0 👻	
Authorization Status Record Status Service Name	
	Exit

You can search using one or more of the following parameters:

- Service Name
- Authorization Status
- Record Status

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria for the following

- Service Name
- Authorization Status
- Record Status

2.3.5 Invoking Protocol Parameter Definition Screen

This screen is used to capture protocol parameters for FTA protocol used to connect to SWIFT Net. These are additional SWIFTNet connectivity attributes, which are required for SWIFTNet file transfer and communication with SWIFT Network.



You can invoke 'Protocol Parameter Definition' screen by typing 'MSDPTPRM' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button...

Protocol Parameter De	IIIIIIIOII					- >
Save						
Protocol Param	eter Name *					
C)escription					
Pro	tocol Type FTA 🔽					
Overlapping Paramete	er Set					
🖬 🖣 1 Of 1 🕨 🕅	Go				+ -	
Paramet	er *	Value				
						Ŧ
Maker	Date	Time:	Mod No	Record Status	Can	col
Checker	Date	Time:		Authorization Status	Can	cer

You can specify the following fields:

Protocol Parameter Name

Specify the name of the Protocol Parameter.

Description

Specify the description of the Protocol Parameter set.

Protocol Type

Select the Protocol Type from the drop-down values listed. Select the name of the protocol for which parameter list is defined.

Overlapping Parameter Set

Parameters

Specify the parameters for the protocol.Click on '+' button to add new parameters.

Note

- Compression of outbound file is done based on the parameter defined in this field. The parameter is set as 'COMPRESSIONALGOPROP' and value is set as 'GZIP'.
- For the outbound files sent, FTA connector, compresses the file using GZIP and handsoff the zipped file in destination folder.
- For the inbound files received, the zipped files with extension 'gz' are unzipped and handed off to payments.

Value

Specify the value of the parameter.

2.3.6 <u>Viewing Protocol Parameter Definition Summary</u>

This summary screen is used to display protocol parameters captured for FTA.

You can invoke "Protocol Parameter Definition Summary" screen by typing 'MSSPTPRM' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Protoco	I Parameter Definition S	Summary				- ×
Search	Advanced Search F	Reset Clear All				
Case S	ensitive					
	Authorization Sta Protocol Parameter Na		<mark>ب</mark>		Record Status	
Records		1 Of 1 🕨 🕅	Go Lock Colum	ns 0 🔻		
	Authorization Status	Record Status	Protocol Parameter Name	Description	Protocol Type	
						A
						=
						Exit

You can search using one or more of the following parameters:

- Protocol Parameter Name
- Authorization Status
- Record Status

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria for the following

- Protocol Parameter Name
- Description
- Authorization Status
- Record Status

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2.3.7 Invoking Rule Definition Screen

Rule Definition screen will be provided in EMS module to capture the Rule details.

You can invoke 'Rule Definition' screen by typing 'MSDRLDFN' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Ropping Rule Definition							180 197	>
New Enter Query								
Rule Details				Destination	on Dotaile			
Rule Nam		Destination Details						
Rule Description	in				Destination Type * Folde	L 🔺		
					Folder Path Queue Jndi Name			
					Protocol Type			
						*		
					Protocol Name			
					SwiftNet Connectivity Bulk Rule Name			
					Duik Rule Name			
Expression Details								
🕅 ┥ 1 Of 1 🕨 🕅	Go						+ - 3	
Expression Section	S	соре	LOP Type	LOP Data Type	Left Operand	Operator	ROF	
								*
1007HP								7
1		11					•	

You can specify the following fields:

Rule Name

Specify the unique rule name.

Description

Enter a brief description of the rule name.

Destination Type

Specify the type of destination to which the messages matching the rule criteria is being sent. Select any of the options given below:

- SWIFT connector
- Bulker
- Folder
- Queue

Folder Path

Specify the folder path if the destination is folder.

Queue JNDI Name

Specify the name of JNDI Queue. This is mandatory if the destination type is Queue.

Protocol Type

Specify the type of Protocol.

Protocol Name

Specify the required protocol for the selected protocol.

SWIFTNet Connectivity

Specify the name of the connector if the destination type is SWIFTNet.

Bulk Rule Name

Select the required bulk rule name.

Expression Section

Specify the value of the parameter.

Scope

Specify the value of the parameter.

Left Operand Type

Specify the value of the parameter. The type can be constant, parameter or expression.

Left Operand Data Type

Specify the value of the parameter. The value can be string, date, boolean or number.

Left Operand

Specify the value of the parameter. If left operator is parameter values from the static table is populated, if its constant then any constant can be selected or expression is build if its a expression.

Operator

Specify the value of the parameter like equal to, less than and so on.

Right Operand Type

Specify the value of the parameter.

Right Operand Data Type

Specify the value of the parameter.

Right Operand

Specify the value of the parameter.

Scope

Specify the value of the parameter.

Logical Operators

Specify the value of the parameter.

Pre Defined Functions

Specify the value of the parameter.

Parameter Name

Specify the value of the parameter.

Parameter Value

Specify the value of the parameter.

Parameter Type

Specify the value of the parameter.

Expression For

Specify the value of the parameter.

Final Expression

Specifies the final expression built for the rule.

Build Expression

Specifies the final expression built for the rule.

2.3.8 <u>Viewing Rule Definition Summary</u>

You can invoke "Rule Definition Summary" screen by typing 'MSSRLDFN' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Routing Rule Definition Summary						- X
Search Advanced Search Reset	Clear All					
Case Sensitive						
Authorization Status	•		Rec	ord Status 🔹		
Rule Name		ρ	Rule D	Description	٩	
Rule Group Name		P Destination Type		ation Type	*	
Records per page 15 💌 候 🔌 1 Of	1 🕨 🗎 🔤 Go	Lock Columns 0	Y			
Authorization Status Record	d Status Rule Name	Rule Description	Rule Group Name	Destination Type		
						Exit

You can search using one or more of the following parameters:

- Authorization Status
- Record Status

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- Rule Name
- Rule Description
- Rule Group Name
- Destination Name

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria for the following

- Authorization Status
- Record Status
- Rule Name
- Rule Description
- Rule Group Name
- Destination Type

2.3.9 Invoking Rule Group Definition Screen

Rule Group Definition screen is provided to capture the Rule group details. A logical grouping of the routing rules can be done using this group name.

Populate Rules button populates all the routing rules defined which can be moved or swapped.

On click of 'populate rules' all the rules marked for the group are listed and priority of which can be changed.

From the populated list select a rule priority for swapping and enter another priority visible on search result in Move to/Swap to field to swap the selected rule priority with the priority entered.

From the populated list select a priority for moving and enter another priority visible on search result in Move to/Swap to field to move the selected rule priority with the priority entered.

Rule Group Del	finition				- ×
Enter Query					
	Rule Group Name * Description				
🔘 < 1 Of 1		Go			+ - =
E R	Rule Name	Rule Description	Priority		*
					Ŧ
	Move to/Swap to	Move Swap			
Maker		Date Time:	Mod No	Record Status	- EXA
Checker		Date Time:		Authorization	Exit

You can invoke 'Rule Group Definition' screen by typing 'MSDRLGRP' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.



You can specify the following fields:

Rule Group Name

Specify the unique rule group name.

Description

Enter a brief description of the rule group.

Rule Name

Specify the rule name from the rule definition screen.

Rule Description

Specify the relevant description for Rule Name mentioned

Priority

Specify the priority of the rule name.

Move To/ Swap

Specify whether the priority must be swapped or moved.

Move

Click the Move button to move the priority record.

Swap

Click the Swap button to swap the priority record.

2.3.10 Viewing Rule Group Summary

You can invoke "Rule Group Summary" screen by typing 'MSSRLGRP' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Ruic	Group Deminion Summary			- ^
Sear	rch Advanced Search Reset Clear All			
Case	Sensitive			
	Authorization Status		Record Status	
	Rule Group Name	Q		
Recor	ds per page 15 💌 💌 🔺 1 Of 1 🕨 🗎	Go Lock Columns 0 👻]	
	Authorization Status Record Status Rule	Group Name Description		
				*
				E
				Exit

You can search using one or more of the following parameters:

- Authorization Status
- Record Status
- Rule Group Name

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria for the following

- Authorization Status
- Record Status
- Rule Group Name
- Description

2.3.11 Invoking Rule Group Mapping Screen

Modules can be mapped to the rule groups defined.

In case a rule group is mapped to the module then all the rules from rule group are executed and the destination is derived.

If there is no rule group mapping for the module then the normal EMS flow should get executed.

You can invoke 'Rule Group Mapping' screen by typing 'MSDRLMAP' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Rule (Group Mapping				- X
New	Enter Query				
1101	Module Identification * Rule Group Name *				
1	Maker Checker	Date Time: Date Time:	Mod No	Record Status Authorization Status	Exit

You can specify the following fields:

Rule Group Name

Specify the unique rule group name.

Module Id

Specify the module that needs to be mapped to the created rule group.



2.3.12 Viewing Rule Group Mapping Summary

You can invoke "Rule Group Mapping Summary" screen by typing 'MSSRLMAP' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Rule Group mapping Summary				- ×
Search Advanced Search Rese	et Clear <mark>Al</mark> l			
Case Sensitive				
Authorization Status Module Identification	200		Record Status	
		k Columns 0 👻		
Authorization Status R	Record Status Module Identification	Rule Group Name		
				Exit

You can search using one or more of the following parameters:

- Authorization Status
- Record Status
- Module Id

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria for the following

- Authorization Status
- Record Status
- Rule Group Name
- Description

2.4 Bulking and De-bulking of SWIFT MT Messages

The following are the list of functionalities that are part of Bulker Framework:

- Ability to bulk the outgoing SWIFT MT messages with a configurable delimiter based on parameters like Message Type, Value Date, Currency, Receiver BIC and Sender BIC.
- Option to schedule automatic bulking with a start and end time with time frequency so that the bulking process runs between start and end time for configured frequency.
- Ability to configure size or volume based bulking.
- File name prefix should be configurable in the system.
- The system supports option to compress the bulk file before sending it to the SWIFTNet network.

2.4.1 Invoking Bulk Preference Definition Screen

Bulk Preference Definition screen is used to configure the preferences to be used during the bulking process.

It also defines the scheduling parameters to automate the bulking process, like start time, end time and frequency.

Compression required and compression type is applicable only for SWIFTNet connectivity not for other destination types.



You can invoke 'Bulk Preference Definition' screen by typing MSDBLKRL' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button...

Bulking Preference Definition					- X
Enter Query					
Bulk Preference Name *					1
Scheduler					
	Volume Restriction Required?		Siz	e Restriction Required?	
Max Number of Messages			Size (in KB)		
Scheduler Type	Time Based Frequency				
Scheduler Timings			Scheduler Frequency Details		
K ◀ 1 0f 1 ► N Go		+ - 8	Start Time (HH:MM)		
Scheduling No Start Hour * St			End Time (HH:MM)		
			Time Interval in Min		
Fill by B					
File Attributes					
Bulk File Name Prefix			Maximum size of Bulk File (in KB)*		
Payload Delimiter	3				
Bulk Processing Attributes					
Maker		Date Time:	Mod No	Record Status	
Checker		Date Time:		Authorization Status	Exit

You can specify the following fields:

Bulk Preference Name

Specify the name used for storing the Bulk Preference.

Scheduler

Volume Restriction Required

Check this box to configure volume based bulking.

Size Restriction Required

Check this field to configure size based bulking and to have any restriction on the bulking size

Max Number of Messages

The systems indicates the maximum number of messages that can be stored in a bulk file.

Size (in KB)

Specify the size of messages depending on the number of messages mentioned.

Scheduler Type

Select the type of scheduler. Choose any one of the following:

- Time Based
- Frequency



Scheduler Frequency Details

Start Time (HH:MM)

Specify the Start Time of the trigger. Enter the format in HH:MM format.

End Time (HH:MM)

Specify the Start Time of the trigger. Enter the format in HH:MM format.

Time Interval in Min

Specify the interval of the repeat in MM format.

Scheduler Timings

Scheduling No Specify the scheduling sequence.

Start Hour

Specify the start hour of the scheduling sequence.

Start Min

Specify the start minute for frequency based scheduler.

File Attributes

Bulk File Name Prefix

Specify the prefix to indicate the name of the bulk file.

Maximum size of a Bulk File (inKB)

Specify the maximum size of a bulk file in KB.

Payload Delimiter

Specify the delimiter while bulking messages.

Bulk Processing Attributes

Compression Required

Check this box to indicate that file compression is required.

Compression Type

Specify the required type of compression.

Destination Attributes

Destination Type

Specify the type of destination.

- Folder
- Router .

Protocol Name

Specify the protocol name required for FTA protocols.

Folder Path

Specify the user defined destination folder path.

Queue JNDI Name

Specify the name of the Queue if the destination type is Queue.



Protocol Type

Select the type of Protocol.

Swift Net Connectivity

Specify the details specific to Swift Net connectivity.

2.4.2 <u>Viewing Bulking Preference Definition Summary</u>

This summary screen is used to view the bulk rules defined. It includes the information about the scheduler, file, bulk and destination attributes.

You can invoke "Bulking Preference Definition Summary" screen by typing 'MSSBLKRL' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Bulking P	reference Definitior	i Summar	y							- x
54 30	Advanced Search	20022	2010 2005							
Case Ser	nsitive									
	Authorization S	tatus		¥			R	ecord Status	•	
	Bulk Preference 1	Vame			Q			Bulk Initiated		
Records p	er page 15 💌 🔘	< 1 Of	1 🕨 🎽	Go	Lock Co	lumns 0 🔻				
	Authorization Status	Record	Status	Bulk Preferen	ce Name	Max Number of	Messages	Size (in KB)	Bulk File Name Prefix	Maximum size of
										· · · · · · · · · · · · · · · · · · ·
										=
					III					
										Exit

You can search using one or more of the following parameters:

- Bulking Preference Name
- Bulk Initiated
- Auth Initiated
- Record Status

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Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria for the following:

- Bulking Preference Name
- Frequency
- Max Number of Messages
- Size (in KB)
- File Format
- Bulk Filename Prefix
- Maximum size of bulk file (in KB)
- Bulk Initiated
- Destination Type
- Auth Status
- Record Status

2.4.3 <u>Viewing Debulk Rule Summary</u>

You can invoke "Debulk Rule Summary" screen by typing 'MSSDEBRL' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Debulk i	Rule Definition Sum	mary								- X
Search	Advanced Search	Reset	Clear All							
Case Se	ensitive									
	Authorization	Status		*			Rec	cord Status	•	
	Debulk Rule	Name			ρ			Protocol	•	
Records	per page 15 🔻 🕷	◀ 1 (Df 1 🕨 🕅	Go	Loc	k Columns 0 🔻				
	Authorization Status	Rec	ord Status	Debulk Rule	Name	Payload Delimiter	Protocol			
										Exit



You can search using one or more of the following parameters:

- Authorization Status
- Record Status
- Debulk Rule Name
- Protocol

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria for the following:

- Authorization Status
- Record Status
- Debulk Rule Name
- Payload Delimiter
- Protocol

2.4.4 Invoking Bulker Monitor Screen

This is the screen to monitor the bulk scheduler execution.

You can view the bulk preference name and the execution start time, end time, execution status and no of files generated.

You can initiate the ad-hoc bulking for the selected bulk preference.

To initiate the adhoc manual bulking the detail screen has to be invoked and click on the adhoc bulking button to trigger the adhoc bulking for the chosen bulk preference.

To Reprocess the messages which are got failed in the previous bulking process user has to invoke bulk monitor details screen. Then click on the user regenerate button to reprocess the failed message to reprocess.

You can invoke 'Bulker Monitor' screen by typing MSDBLKMN' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button...

.				
Enter Query				
Process Reference Number				
Execution Start Date				
Execution Start Time				
Execution End Date				
Execution End Time				
Status				
Bulk Preference Name				
No Of Files Generated				
Error Code				
Error Parameter				
Error Description				
	Regenerate			
	Initiate Adhoc Bulking			
				Ē

Specify the following fields:

Process Reference Number

Specify the Process Reference Number.

Execution Start Date

Specify the Execution Start Date

Execution Start Time Specify the Execution Start Time.

Execution End Date Specify the Execution End Date.

Execution End Time Specify the Execution End Time.

Status Specify the Status.

Bulk Preference Name Specify the Bulk Preference Name.

No Of Files Generated Specify the No Of Files Generated

Error Code Specify the Error Code.

Error Parameter Specify the Error Parameter

Error Description Specify the Error Description.



2.4.5 Bulk Monitor Summary

You can invoke 'Bulker Monitor Summary' screen by typing MSSBLKMN' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button...

Bulker Monitor Summary					- ×	
Search Advanced Search	Reset Clear All					
Case Sensitive						
Execution Star	t Date	H	No Of Files Generated		Q	
S	Status	Q	Bulk Preference Name		Q	
Execution End	I Date	B	Process Reference Number	Reference Number		
Records per page 15 💌 候	< 1 Of 1 ▶ ₩	Go Lock Columns	0			
Execution Start Date	Execution Start Time	No Of Files Generated	Status Bulk Preference Name	Execution End Date	Execution End Time	
					-	
			_			
	III					
					Exit	

You can search using one or more of the following parameters:

- Bulk Preference Name
- Execution Start Time
- Execution End Time
- Status

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria for the following:

- Bulk Preference Name
- Execution Start Time
- Execution End Time
- Status
- No of Files

2.4.6 Invoking Outgoing Message Browser Screen

Additional fields are introduced in the outgoing browser to track the status of the message and along with bulk criteria and bulk reference number.



The new fields are bulk status, bulk file reference number and bulk preference name.

If the message is not satisfied with any of the bulk rule defined in the system, then bulk status will be marked as NA (Bulking not applicable).

You can invoke 'Message Outgoing Browser' screen by typing PMDOUTBR' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Message Outgoing Browser			- ×
Execute Query			
Operation	Ŧ	Any or Original	Any v
Message Details			
Document Number		Message Status	¥
Reference Number		Hold/Release Status	T
Module		Acknowledgement Status	v
Message Type		Funding Status	T
Receiver		External Reference	
Currency		Delivery By	
Amount		RTGS Network	
DCN List			Testing Status
Receiver Details			
Name		Node	
Location		Branch	
Address		SWIFT Message Type	
Address 2		Priority	Ŧ
Address 3			Hold Mail
Address 4		Exception	
Media			
Test Word Details			
Testword		Test Currency	
Test Date	dd-MMM-yyyy	Test Amount	
Test Word Narrative			
Network			
			Cancel

You can specify the following fields:

Operation

The system displays the type of operation.

Any or Original

The system displays if the message was 'Any' or 'Original'.

Message Details

Document Number

Specify the Document Number.

Message Status

The system displays the status of the message.

Reference Number

Specify the reference number

Hold/Release Status

The system displays if the message is in Hold or Released status.

Module

Specify the module name.

Acknowledgement Status

The system displays the acknowledgement status of the message.

Message Type

Specify the type of message.

External Reference

Specify the external reference details.

Receiver

Specify the Receiver details.

Delivery By

Specify the Delivery details of the message.

Currency

Specify the currency that is specified in the message.

RTGS Network

Specify the RTGS Network.

Testing Status

The system checks this box, if the message requires testing.

DCN List

Specify the DCN List details.

Receiver Details

Name Specify the name of the Receiver.

Node

Specify the Receiver Node.

Location

Specify the location of the Receiver.

Branch

Specify the branch of the Receiver.

Address

Specify the address details of the Receiver in the lines provided from 1 o 4.

SWIFT Message Type

Specify the SWIFT Message Type.

Priority

The system displays the priority of the message.

Hold Mail

The system check this box, if the mail must be held.

Exception

Specify the Exception details.

Media

Specify the media details.



Test Word Details

Test-word Specify the Test Word details.

Test Amount Specify the Test Amount

Test Date Specify the date of testing.

Test Currency Specify the currency used for testing.

Test Word Narrative

Specify the Test Word details.

Network

Specify the Network.

2.4.7 <u>Viewing Outgoing Message Browser Summary</u>

You can invoke "Outgoing Message Browser Summary" screen by typing 'PMSOUTBR' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

rch Advanced Search Rese	et Clear All													
Sensitive														
Branch		Q		Document Number			Q	Reference Number						
Module		Q		Message Ty	pe	v		Connectivity Option Media Message Status Authorization Status Destination Type Network Acknowledgement Status		~				
Message Format	~	Q	Receiver Swift MX Type Acknowledgement Status		ver						Q			
SWIFT Message Type												~		
Hold/Release Status	~									*				
Delivery Status 🗸				Handoff Star						~				
Funding Status	~			ork										
rds per page 15 🗸 🔘 🔍	1 OF 1 🕨 🗎 🔛	Go LO	ck Columns 0 🗸											
Branch Document Number	er Reference Number	Module	Message Type	Connectivity Option	Message Format	Receiver	Currency	Amount	Media	SWIFT Message Type	Swift MX Type	Node	Priority	1
Edit Hold Cancel R	elease Authorize Ha	andoff I Si	opress Generate	e I Print										

You can search using one or more of the following parameters:

- Branch
- Document Number
- Reference Number
- Module
- Message Type
- Connectivity Option
- Message Format
- Receiver
- Media
- SWIFT Message Type
- Swift MX Type



- Message Status
- Hold/Release Status
- Acknowledgement Status
- Authorization Status
- Delivery Status
- Handoff Status
- Destination Type
- Funding Status
- Network
- Network Acknowledgement Status

Note

Queue Access rights is applicable for Outgoing Browser Summary (PMSOUTBR). Refer to Exception Queues user guide, for details on Queue Access Rights.

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

The following are the actions can be performed on the resultant search results:

- View Displays the selected message
- Edit Edit and change message content, if not handed off yet
- Hold Hold a message, if generated & not handed off yet
- Cancel Cancel a message, which is not handed off yet
- Release Release a message, if withheld due to a hold rule
- Suppress Suppress a message, if not handed off yet
- Authorize Authorize the edited message
- Handoff Handoff a message to SWIFT alliance, if not released yet
- Generate Generate a message which is un-generated status
- Print Print a generated message

Note

- Only Release/Suppress Actions are allowed on messages that are marked as 'Withheld' and requires authorization by another user.
- Messages that are marked as 'Withheld' can be manually released any time, even before the release rule start time. Release time gets updated on authorization of manual release.
- If a payment message marked as 'Withheld' is Released on any other business day after 'Message Date', then the system shows 'This payment message cannot be released' information message. Such payment messages are allowed to be suppressed from the outbound browser.
- Any message with Message Status Un-generated can be generated using the Generate action.
- A generated or handed off message can be printed using Print action.
- SWIFT LAU generated for the outgoing SWIFT MT message for payments can be viewed from the Payments Outgoing message browser screen.



 SWIFT LAU is displayed in summary result which shows the LAU generated for the message.

2.4.8 Invoking Incoming Message Browser Screen

This screen is modified to view the incoming message details like source type and SWIFTNet connector name.

You can invoke 'Incoming Message Browser' screen by typing PMDINBRW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button...

1201 DE 2012					
Document Number *	Status		Branch		
Reference No	Currency		Media Control System		
Sender	Amount		Node		
Media	Value Date		Testword		
SWIFT Message Type	External Reference		Repair Reason		
Queue	Multi Credit Reference		Repair Reason Descritpion		
equired Execution Date					
Operation 👻					
Name					
Address 1					
Address 2					
Address 3					
Address 4					
Location					
Process Status	Suppress Details				
PDE Flag	Remarks				
	Suppress Message	*			
	Cover Match Status		Suppress Status		
			Funding Exception Status		
				Authorization Status	

You can specify the following fields:

Document Number

Specify the Document Number.

Reference No

Specify the Reference Number of the document.

Sender

Specify the reference number.

Media

Specify the required media.

SWIFT Message Type

Specify the required SWIFT Message Type.

Queue

Specify the queue name.

Required Execution Date

Specify the required execution date.

Operation

Select the required operation.

Name Specify the name.

Address 1 Specify the address.

Address 2 Specify the address.

Address 3 Specify the address.

Address 4 Specify the address.

Location Specify the required location.

Status Specify the required status.

Currency Specify the required currency.

Amount Specify the amount.

Value Date Specify the value date.

External Reference

Specify the external reference number.

Multi Credit Reference

Specify the multi credit reference details.

Branch

Specify the required branch.

Media Control System Specify the Media Control System.

Node Specify the required node.

Testword Specify the testword.

Repair Reason Specify the Repair Reason.

Reason Description Specify the description of the reason.

Suppress Details

Process Status

Specify the status of the process.

PDE Flag

Check the PDE flag if required.

Remarks

Specify the any remarks of the Suppress details.

Suppress Message

Specify the suppress message details.

Cover Match Status

Specify the status of the cover match.

Suppress Status

Specify the status of the suppress.

Funding Exception Status

Specify the status of the Funding Exception.

Authorization Status

Check the Authorization Status box, if required.

2.4.9 Viewing Incoming Message Browser Summary

Payments incoming messages can be viewed from the Incoming Message Browser screen

SWIFT LAU received from incoming message and the check sum calculated by system (LAU_Validation) are displayed in the incoming browser.

You can invoke "Incoming Message Browser Summary" screen by typing 'PMSINBRW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Inbound Browser Summary											- x
Search Advanced Search Res	et Clear All										
Case Sensitive											
Branch	HEL	ρ		DCN		Q		Reference Num	ber	Q	
Business Message Identifier		Q	S	iender		Q		Message Sta	itus	~	
Process Status	~		Network	Code		Q		Network Type C	ode	Q	
Transaction Type	~		ι	UETR		Q		Qu	eue	٩	
Authorization Status	~		Message Fi	ormat		Q		Message T	ype	Q	
Source Type	~										
Records per page 15 🗸 🕅 ┥	1 Of 1 🕨 🕅 🛛 🕅	 Lock Columns V 									
edit Reference UETR Repair R			api Service Type I	RTGS Network	Running Number	Remarks	Serial Number	Testing Status	Print Status	Repair Reason Parameters	Latest V
					Ū			Ū			
View Message View Transaction	Edit Force Move To C	Queue Authorize Su	press Retry								
											Exit



You can search using one or more of the following parameters:

- Branch
- DCN
- Reference Number
- Business Message Identifier
- Sender
- Message Type
- Message Status (Suppressed/ Pending Cover Match / Repair / Pending Network Resolution / Moved to Unmatched Queue / Move to Non STP Queue)
- Process Status (Unprocessed / Processed / Repair / Exception)
- Queue
- Network Code
- Network Type Code
- Transaction Type (Incoming / Outgoing)
- UETR
- Authorization Status (Authorized / Unauthorized)
- Message Format
- Source Type

Note

- Queue Access rights is applicable for Incoming Browser Summary(PMSINBRW). Refer to Exception Queues user guide, for details on Queue Access Rights.
- If the Payments incoming messages has UETR then system populates UETR value in the search result section.
- Incoming MT210 message received via SWIFT is logged in Inbound Browser Summary (PMSINBRW) screen with process status "Unprocessed".
- Incoming MT210 message would be matched to another Inbound SWIFT payment message (MT202, MT205) that is expected to be received later.

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

The following operations are available in the Summary screen:



View Message

You can view the message received from SWIFT/RTGS network for the selected record" - Description for View Message button.

View Message	- >
Enter Query	
DCN Branch Message Details	
Remarks	
Maker ID Release Time Latest Version No.	Checker ID Checker Date Stamp Authorized Authorized
View History	
	Exit

View Transaction

You can view the incoming/outgoing transaction view screen based on the Payment Type and Transaction Type (i.e. Incoming / Outgoing) of the selected payment message.

2.5 File Transmission over SWIFTNet

The following are the list of functionalities that are part of File Transmission over SWIFTNet:

- A framework that provides the SWIFTNet connectivity for the bulked SWIFT FIN files that were generated by bulker.
- New Maintenance functions to capture configurations that are required to connect SWIFTNet via SAG File Act
- Monitoring and tracking function to track FileAct processing within the system.

2.5.1 Invoking File Transfer Adapter Connector Configuration

This new screen is used to capture the parameters required for SWIFT Net FileAct connectivity using FTA.

They define the mode of transmission and the parameters required to actually perform the message transmission.



You can invoke 'File Transfer Adapter Connector Configuration' screen by typing 'MSDFTACN' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

File Transfer Adapter Connector Config	guration		- x
Enter Query			
FTA Connector Name ⁴ Operation Type Node Media Control System Host Code			
FTA Parameter			
File Directory ⁴ Success Directory ⁴		Log Directory *	
FTA Outbound Parameter			
	Data File LAU	Override Companion LAU	
Debulk Preferences			
	Debulk Required	Debulk Rule Name	
Maker	Date Time:	Mod No Record Status	
Checker	Date Time:	Authorization Status	xit

You can specify the following fields:

FTA Connector Name

Specify the valid Connector name and click on Execute Query button. The FTA connectors are factory shipped data.

Operation Type

System defaults the Operation Type. The possible options displayed are - Inbound/Outbound.

Node

System defaults the Node detail. This is mandatory for inbound.

Media

System defaults the Media. This is mandatory for inbound.

Media Control System

System defaults the media control system. This is mandatory for inbound.

Host Code

System defaults the Host code of the logged in user.

FTA Parameter

File Directory

Specifies store details of emission directory for outbound connectivity and reception directory for inbound flow.



Success Directory

For Outbound connectivity, Delivery notification response related to file transfer status from the SAG are placed in this directory. For inbound connectivity file transfer, success status files are placed in this folder.

Log Directory

Specifies the responses from SAG.

Parameter File

Check this box if FCM creates or receives a Parameter File corresponding to each and every data file in configured file directory along with data file.

FTA Outbound Parameter

Data file LAU

Check this box if FCM calculates the LAU of Data File and puts the calculated value in parameter file.Override

Check this box if parameters defined at the emission profile of SAG side will be overridden by information in Companion file.

Companion LAU

Check this box if parameters defined at emission profile of SAG side are overridden by information in companion file.

Debulk Preference

Debulk Required

Check this box, if debulk is required for inbound messages.

Debulk Rule Name

Specifies the debulk rule name.



2.5.1.1 Viewing SWIFTNet FTA Connector Definition Summary

You can invoke "SWIFTNet FTA Connector Definition Summary" screen by typing MSSFTACN' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

SWIFTNet FTA Connector Definition Summary				- ×
Search Advanced Search Reset Clear All				
Case Sensitive				
Authorization Status	•		Record Status	
FTA Connector Name	Q		Operation Type	
Records per page 15 💌 🔘 ┥ 1 Of 1 🕨	Go Lock C	Columns 0 -		
Authorization Status Record Status	FTA Connector Name	Operation Type		
				Exit

You can search using one or more of the following parameters:

- Authorization Status
- Record Status
- FTA Connector Name
- Operation Type

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria for the following:

- Authorization Status
- Recoord Status
- FTA Connector Name
- Operation Type

2.5.2 Invoking Connectivity Operation Manager Screen

This screen is used to start and stop the connectivity lines.

You can search for the connectivity lines and perform the operation start/stop on the line searched.



You can invoke 'Connectivity Operation Manager' screen by typing 'MSDCNMGR' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button...

Connectivity Operation Manag	jer				_ X
Connectivity Line Operation Type	V Search				
1 Of 1				+-3	E
Connectivity Line	Operation Type	Status	Operation		
				A	
					Exit

You can specify the following fields:

Connectivity

Specify the required connectivity line.

Operation Type

Select the type of operation.

Status

Specify the display line status.

Start

Click the Start button to start the connectivity line.

Stop

Click the Stop button to start the connectivity line.

2.5.3 Invoking Outbound File Browser Screen

This screen is used to view the bulk files generated for the bulk criteria maintained in the system.

You can search based on the Bulk criteria (rule) name, Generated date, File Name and Status.

File details like name of the bulker file, status, bulk rule name, file generated time, bulk reference number, Size of the file; number of transactions bulked is shown in the details.

File can be resent to the destination if the file status is not processed.

You can invoke 'Outbound File Browser' screen by typing 'MSSFLBRW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button...

Outbound File Browser						-	X
Search Advanced Search Reset Clear All							
Case Sensitive							
File Reference Number	Q		File Type		Q		
Generated Date	Q		Handoff Status		Q		
File Status	Q		Media		Q		
Network Code	Q		Module		Q		
Records per page 15 🔻 候 🔌 1 Of 1 🕨 🔰 🔤 Go	Lock Columns 0	•					
File Reference Number File Type Generated Date	Handoff Status	Receiver BIC	Sender BIC	File Format Type	File Status	Media	
e m							۲
View							
						Exi	it

You can specify the following fields:

File Reference Number

Specify the File Reference Number of the generated file.

Generated Date

Specify the date of the generated file.

File Status

Specify the file status of the generated file.

Network Code

Specify the network code of the generated file.

File Type

Specify the type of the generated file.

Handoff Status

Specify the handoff status of the generated file.

Media

Specify the media of the generated file.

Module

Specify the module of the generated file.

2.5.4 Invoking Inbound File Browser Screen

This new screen can be used to view the bulk files received from SWIFT Net through the FileAct connectors.

You can search based on the File Name, Received date time and status of the file.

Files received through FileAct connectors is sent to the EMS after parsing the payload file.

De-bulking of the file happen in the EMS.

You can invoke 'Inbound File Browser' screen by typing 'MSSIFBRW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button...

nbound File Browser Summary							-
Search Advanced Search Reset Clear All							
Case Sensitive							
File Reference No	Q		Host Cod	е		Q	
Received Date	Q		Statu	S		Q	
Source Code	Q		Med	а		Q	
File Name	ρ	SWIFTNET	Connector Nam	e		ρ	
Records per page 15 🔻 候 🔌 1 Of 1 🕨 🕅 Go	Lock Columns	0 -					
File Reference No Host Code File Format Type	Received Date	Network Code	Status	Source Code	Media	File Name	SWIFTNE
		1	- Source and the		(and the second s	and a second	
)
View							
							Exit

You can specify the following fields:

File Name

Specify the name of the received file.

File Reference Number

Specify the unique reference number of the generated file.

Received Date

Specify the date and time of the received file.

Status

Specify the status of the file.

FileAct Connector Name

Specify the connector through which the file is received.

Host Code

Specify the host code of the received file.

Source Code

Specify the source code of the received file.

Media

Specify the media of the generated file.

2.5.5 Connector Network Linkage Maintenance

You can link the SWIFTNet connector with the Network defined in OBPM, using this screen.

You can invoke 'Connector Network Linkage Maintenance' screen by typing 'PMDCONNW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button. Click 'New' button on the Application toolbar.

Conne	ctor Network Linkage Mainter	nance			- ×
New	Enter Query				
	Host Code * Connector Name * Network Code *			e Description nnector Type	
	Maker Checker	Date Time: Date Time:	Mod No	Record Status Authorization Status	Exit

You can specify the following:

Host Code

This field is defaulted as the logged in Host.

Host Code Description

System defaults the Host Description of the Host Code defaulted.



Connector Name

Specify the Connector Name from the list of values. All open and authorized connectors maintained and linked to the Host in the maintenances FTA Connector Configuration (Function ID: MSDFTACN) and MQHA Connector Configuration (Function ID: MSDMQHAC) are listed.

Connector Type

Specify the Connector Type of the Connector Name selected.

Network Code

Specify the Network Code from the list of values. All open and authorized Network codes of payment type SEPA CT and SEPA DD are listed

2.5.5.1 Connector Network Linkage Maintenance Summary

You can invoke 'Connector Network Linkage Maintenance Summary' screen by typing 'PMSCONNW' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button. Click 'Search' button on the Application toolbar.

Connector Network Linkage Maintenance Su	ummary		- ×
Search Advanced Search Reset Clear A	JI		
Case Sensitive			
Authorization Status	~	Record Status	
Network Code	Q	Connector Name	Q
Development II at a direct of the	N		
Records per page 15 V 🛛 🖌 1 Of 1 🕨			
Authorization Status Record Status	Host Code Network Code Conn	ector Name Connector Type	
			Exit

You can search using one or more of the following parameters:

- Authorization Status
- Record Status
- Host Code
- Network Code
- Costumer Name

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

2.5.6 Connector File Type Linkage Maintenance

You can link the SWIFTNet connector with the File Type defined Non CSM SEPA CT/SEPA DD files, using this screen.

You can invoke 'Connector File Type Linkage Maintenance' screen by typing 'PMDCONFL' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button. Click 'New' button on the Application toolbar.

Connector - File Type Linkage Ma	intenance			- ×
New Enter Query				
Host Code * Connector Name * File Type * File Format Type * Schema Path * Schema Name *		Host Code Description Connector Type Network Code	~	
Maker Checker	Date Time: Date Time:		Record Status Authorization Status	Exit

You can specify the following:

Host Code

This field is defaulted as the logged in Host.

Host Code Description

System defaults the Host Description of the Host Code defaulted.

Connector Name

Specify the Connector Name from the list of values. Lists the combinations of all open and authorized maintenances available in PMDCONNW for the connector name and Network.

Connector Type

System defaults the Connector Type of the Connector Name selected.

Network Code

System defaults the Network Code of the Connector Name selected.

File Type

Specify the File Type from the list of values. Based on the Network payment type, File Type list is populated.

File Format Type

Select the only value 'XML' for the File Type from the drop-down list.

Schema Path

Specify the Schema Path.

Schema Name

Specify the Schema Name.



2.5.6.1 <u>Connector File Type Linkage Maintenance Summary</u>

You can invoke 'Connector File Type Linkage Maintenance Summary' screen by typing 'PMSCONFL' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button. Click 'Search' button on the Application toolbar.

Connector - File Type Linkage Maintenance	e Summary		- ×
Search Advanced Search Reset Clear	All		
Case Sensitive			
Authorization Status	~	Record Status 🗸	
Connector Name	Q	File Type	Q
Network Code	Q		
Records per page 15 V M < 1 Of 1	Go Lock Columns 0		
Authorization Status Record Status	Connector Name Connector Type	File Type File Format Type Host Code	Network Code Schema Path
			Exit

You can search using one or more of the following parameters:

- Authorization Status
- Record Status
- Costumer Name
- File Type
- Network Code

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

2.5.7 Fedwire Message Mapping

You can invoke 'Fedwire Message Mapping' screen by typing 'MSDFQMAP' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

Fedwire Message Mappi	ng			- ×
New Enter Query				
	Media *	Mes	ssage Type * FWR	
	Number *		Branch *	
Brand	ch Name			
Maker Checker	Date Time: Date Time:	Mod No	Record Status Authorization Status	Exit

You can specify the following fields:

Media

Specify the required Media from the list of values.

ABA Number

Specify the required ABA Number from the list of values.

Message Type

The system displays the message type by default.

Branch

Select the required branch from the list of values.

Branch Name

This is displayed when you select the branch.

2.5.8 Fedwire Message Mapping Summary

You can invoke "Fedwire Message Mapping Summary "screen by typing 'MSSFQMAP' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

rch Advanced Search	Reset Clear	All						
e Sensitive								
Authorization S	tatus	•		Rec	ord Status	•		
Message	Туре	Q		AB	A Number		Q	
Λ	/ledia	م			Branch		Q	
rds per page 15 💌 候	🚽 1 Of 1 🕨	Go I	ock Columns 0	•				
Authorization Status	Record Statu	is Message Type	ABA Number	Media Branch				

You can search using one or more of the following parameters:

- Authorization Status
- Record Status
- Message Type
- ABA Number
- Media
- Branch

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria for the following:

- Authorization Status
- Record Status
- Message Type
- ABA Number
- Media
- Branch



2.5.9 SWIFT Message Notifications

You can invoke 'SWIFT Message Notifications' screen by typing 'MSDNOTIB' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

SWIFT Message Notifications		- ×
Enter Query		
Document Number *	Branch	
Sender	Running Number	
SWIFT Message Type	Process Status	
Branch Date	Authorization Status	
Reference No		
Message Reference	Maker ID	
Receiver	Release Time	
User Reference	LBL_CHECKER_ID	
Mod Number	Checker Date Stamp	
		Exit

You can specify the following fields:

Document Number

Specify the Document Number and click on Execute Query button to view the details pertaining to it.

Following details are displayed on clicking Execute Query button:

- Branch
- Sender
- Running Number
- SWIFT Message Type
- Process Status
- Branch Date
- Authorization Status
- Reference No
- Message Reference
- Maker ID
- Receiver
- Release Time
- User Reference
- Checker ID
- Mod Number
- Checker Date Stamp

2.6 SWIFT LAU

SWIFT Alliance LAU is enabled in order to secure messaging between Oracle Banking Payments and SWIFT.

If there is any interference with the message as it is transmitted between source and destination, the checksum fails, indicating the message integrity has been breached.



2.6.1 Invoking SWIFT LAU Key Maintenance Screen

This screen can be accessed for maintenance from Head Office only.

Specific users with necessary roles can access the maintenance screen. Switching LAU 'ON' or 'OFF' affects all the outgoing SWIFT messages in FCUBS. SWIFT LAU maintenance data is referred by EMS for calculation of checksum for outbound or inbound messages.

Message direction must be chosen based on the key is maintained for Outgoing or Incoming SWIFT message.

You can invoke 'SWIFT LAU Key Maintenance' screen by typing 'MSDLAUMN' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

SWIFT LAU Key Mainter	nance			- ×
New Enter Query				
H Di Message SWIFT LAU Key Key	Host Code * escription Direction Incoming SWIFT LAU Required First Part cond Part			
Maker Checker	Date Time: Date Time:	Mod No	Record Status Authorization Status	Exit

You can specify the following fields:

Host Code

Specify the required Host Code from the list of values. Depending on the host code selected, the description of the host code is auto-populated.

Description

The description of the host code is auto-populated, depending on the host code selected.

.Message Direction

Choose the direction of the message based on the key maintained for Outgoing or Incoming SWIFT message.

SWIFT LAU Required

Check this box to indicate that local authentication is required for the host.

Note

- This flag is used to activate / deactivate the LAU capability.
- If the "SWIFT LAU Required" parameter is checked then all other parameters in the screen will be mandatory fields.



SWIFT LAU Key

Key First Part

System defaults the value for Key First part on clicking Execute Query, when maintained. The length of the key must be in sixteen hexadecimal characters.

Key Second Part

System defaults the value for Key Second part on clicking Execute Query, when maintained. The length of the key must also be in sixteen hexadecimal characters.

2.6.2 Viewing SWIFT LAU Key Summary

You can invoke "SWIFT LAU Key Summary" screen by typing 'MSSLAUMN' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

SWIFT	LAU Key Summary							- ×
Search	n Advanced Search	Reset Clear All	1					
Case S	ensitive							
	Authorization S Host		T	م	Record S Message Dire			
Records	per page 15 💌 候	┥ 1 Of 1 🕨	Go	Lock Columns 0 🗸				
	Authorization Status	Record Status	Host Code	Message Direction	SWIFT LAU Required	Key First Part	Key Second Part	
								Exit

You can search using one or more of the following parameters:

- Authorization Status
- Record Status
- Host Code
- Message Direction

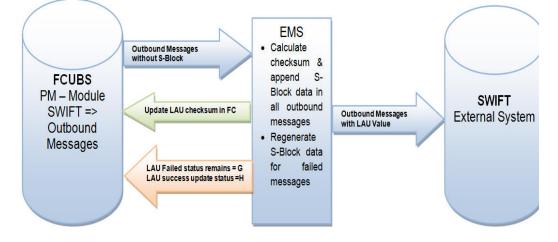
Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria for the following:

- Authorization Status
- Record Status
- Host Code
- Message Direction
- SWIFT LAU Required
- Key First Part
- Key Second PartDetailed Processing Logic for Outgoing SWIFT LAU



- The messaging module is enhanced to incorporate the new S-block in the SWIFT message. And the same is generated for all outbound messages from FCUBS with message status 'G'.
- The messaging module fetches the records in outgoing browser with MSG_STATUS = 'G' and generates S-Block data.
- For all outbound messages, the generated checksum is appended in S-Block and can be viewed from Outgoing Message Browser front end screen.
- Successful generation of S-Block data and message hand-off to out folder updates the message status to 'H'
- EMS does not update message status to 'H' in Outgoing message browser if, there is failure to append the S block data in the message and the status of message remains 'G'.

EMS next hand-off job picks the messages with status 'G' and regenerates S Block data and appends same in the message which also updates message status to 'H'.



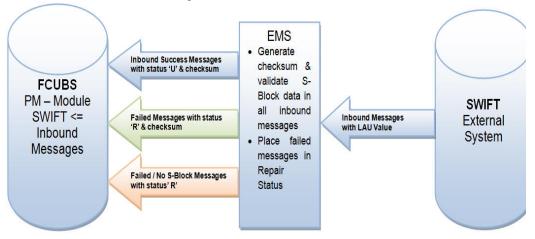
Refer the Process Flow diagram below:

2.6.3 Detailed Processing Logic for Incoming SWIFT LAU

- The messaging module is enhanced to validate inbound messages with S block data.
- Received encrypted S-Block checksum values are validated.
- You can view both, check sum received & generated in SWIFT_LAU & LAU_VALIDATION fields respectively. Messages with status 'R' in Incoming message browser hold differences in check sum data between SWIFT_LAU and LAU_VALIDATION data.
- Incoming message without any data in S Block is uploaded in incoming browser with status 'R' and there is no data updated in SWIFT_LAU field where as EMS generated checksum gets updated in LAU_VALIDATION field.

2-50

Refer the Process Flow diagram below:



2.7 <u>SWIFT Message Routing Parameter via block chain</u> <u>network</u>

Cross border Outbound transactions initiated from a particular Branch, with as specific Receiver BIC, Message Type, Transfer Currency and Source Code are processed using block chain network and not via SWIFT network. User can verify the details of transaction initiated in source environment are received in destination environment for the combination maintained.

2.7.1 SWIFT Message Routing Parameter Detailed

You can invoke 'SWIFT Message Routing Parameter Detailed' screen by typing 'PMDMSGRT' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button

SWIFT Message Routing Param	eter Detailed			- x
New Enter Query				
Processing	Branch *			
Rece	iver BIC *			
SWIFT Messa	ge Type *			
Transfer C	Currency *			
Sour	ce Code *			
Malaa	Dela Tirra	M.JN.	Derest Octor	
Maker	Date Time:	Mod No	Record Status	Exit
Checker	Date Time:		Authorization Status	

You can specify the following details by clicking on 'New' button to create a new record or verify the existing records by clicking on Enter Query button

Transaction Branch

Specify the Transaction branch in which the transaction is to be booked. Alternatively you can select a valid Transaction Branch from the list of values displayed.



Receiver BIC

Specify a valid Receiver BIC, which is the internal SWIFT routing receiver BIC. Alternatively you can select a valid Receiver BIC from the list of values displayed.

SWIFT Message Type

Specify the SWIFT message Type, for which the SWIFT Routing parameter is to be maintained. Alternatively you can select a valid Receiver BIC from the list of values displayed.

Transfer Currency

Specify the Transfer Currency. Alternatively, you can select a currency code from the list of values displayed.

Source Code

Specify the Source Code. Alternatively, you can select the Source Code from the list of values displayed

2.7.1.1 SWIFT Message Routing Parameter Summary

You can invoke 'SWIFT Message Routing Parameter Summary' screen by typing 'PMSMSGRT' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

SWIFT Message Routing Parameter Summary		
Search Advanced Search Reset Clear All		
Case Sensitive		
Authorization Status	Record Status v	
Transaction Branch 🔎	Receiver BIC P	
SWIFT Message Type		
Records per page 15 🔻 🔘 1 Of 1 🕨 📔 🛛 😡 🗛 Columns 0 🔻		
Authorization Status Record Status Transaction Branch Receiver BIC SWIFT Message Type		
		Exit

You can search using one or more of the following parameters:

- Authorization Status
- Record Status
- Transaction Branch
- Receiver BIC
- SWIFT Message Type

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

Double click a record or click the 'Details' button after selecting a record to view the detailed screen. You can also export the details of selected records to a file using 'Export' button.



2.7.2 Smart Contract Transaction Summary

You can invoke 'DLT Message Browser Summary' screen by typing 'PMSHYLTR' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

DLT Message Browser Summary							- ×
Search Advanced Search Reset	Clear All						
Case Sensitive							
Sender Branch	Q		Receiver Branch		Q		
Reference Number	Q		Sender		Q		
Receiver	Q		Status		Q		
Generated Reference	Q		Source Type				
Records per page 15 🔻 🔘 ┥ 1 🛛	Of 1 🕨 🕅 😡	Lock Columns 0 🔻					
Sender Branch Receiver Bra		Sender Receiver	Status Generated Referen	ce Currency	Amount	Source Type	Val
Retry							
							Exit

You can search using one or more of the following parameters:

- Sender Branch
- Receiver Branch
- Reference Number
- Sender
- Receiver
- Status
- Generated Reference
- Source Type

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

You can perform below action:

2.7.2.1 <u>Retry</u>

This action is allowed for all the outbound messages with Rejected/Failed status. You are required to have user/role level queue access rights, to take this action. Source Type needs to 'Out'.

You can use this action to resubmit the payment message for OFBA to pick up and process the message. This action is allowed for a configured number of times.



DCN	Message Status
Generated Reference	Status Ready v
Receiver Branch	Error Code
Sender Branch	Error Description
Smart Contract ID	

This sub screen have following fields as display fields

- DCN
- Generated Reference
- Receiver Branch
- Sender Branch
- Smart Contract ID
- Message Status
- Error Code
- Error Description

Status field is shown as the current status. Please select the option to 'Ready'.

On clicking of OK, the message is populated in the OFBA polling table for pick up by OFBA. The message status is then updated as 'Ready'.

On receiving the response from OFBA table, the ACK/NACK status is updated in the SWIFT Message Notification Browser (MSSNOTIB).

Retry of failed/rejected messages are allowed for the maximum number of retry count value maintained against the parameter 'MAX_OFBA_RETRY_COUNT' [PMDSYSPM]. The factory shipped value for maximum retry value is 10.

2.8 SWIFT FIN Header Configuration

Provision is given in an application to configure delivery monitoring flag in the FIN message application header. Based on the configuration provided the customer can do the maintenance to receive/not receive MT011 delivery notifications.

2.8.1 SWIFT FIN Header Preference

This screen supports processing of delivery notification messages.

You can invoke 'SWIFT FIN Header Preference screen' by typing 'PXDFNHDR' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button



SWIFT	FIN HEADER	Preferences				- ×
New	Enter Query					
		Delivery Notification *				
	Maker Checker		Date Time: Date Time:	Mod No	Record Status Authorization Status	Exit

You can specify the following details by clicking on 'New' button to create a new record or verify the existing records by clicking on Enter Query button.

Delivery Notification

Specify the Delivery Notification from the following list of values:

- Required
- Not Required

2.8.1.1 SWIFT FIN HEADER Preferences Summary

You can invoke 'SWIFT FIN HEADER Preferences Summary' screen by typing 'PXSFNHDR' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.

SWIFT FIN HEADER Preferences Summary	- ×
Search Advanced Search Reset Clear All	
Case Sensitive	
Authorization Status	Record Status •
Delivery Notification	
Records per page 15 🔻 📢 ┥ 1 Of 1 🕨 💓 Go Lock Columns 0 🔻	
Authorization Status Record Status Delivery Notification	
	Exit

You can search using one or more of the following parameters:

- Authorization Status (Authorized / Unauthorized / Rejected)
- Record Status (Open / Closed)
- Delivery Notification

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

Double click a record after selecting a record to view the detailed screen.

2.8.2 SWIFT FIN Header Host Preference

This screen supports processing of delivery notification messages.

You can invoke 'SWIFT FIN Header Host Preference screen' by typing 'PXDFNHST' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button

FT FIN HEADER Hos	a Preierences			-
w Enter Query				
Netwo	rk Code *	Network Desc	ription	
Ho	st Code *	Network Type Desc	ription	
Delivery Not	ification *			
Maker	Date Time:	Mod No	Record Status	_
Checker	Date Time:		Authorization Status	Exi

You can specify the following details by clicking on 'New' button to create a new record or verify the existing records by clicking on Enter Query button.

Host Code

System defaults the Host code of the logged in user.

Network Code

This field list all the Network codes maintained for payment types 'Cross Border' and 'RTGS' in the host.

Delivery Notification

Specify the Delivery Notification from the following list of values:

- Required
- Not Required

Network Description

The system defaults the Network Description based on the Network Code selected.

Network Type Description

The system defaults the Network Type Description based on the Network Code selected.

2.8.2.1 SWIFT FIN HEADER Host Preferences Summary

You can invoke 'SWIFT FIN HEADER Host Preferences Summary' screen by typing 'PXSFNHDR' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button



earch Advanced Search Reset Clear All		
ase Sensitive		
Authorization Status	Record Status 🔹	
Host Code D	Network Code P	
Delivery Notification O		
cords per page 15 🔻 🖂 1 Of 1 🕨 📄 🛛 Go 🛛 Lock Columns 0 🔻		
Authorization Status Record Status Host Code Network Code Delivery Notification		

You can search using one or more of the following parameters:

- Authorization Status (Authorized / Unauthorized / Rejected)
- Record Status (Open / Closed)
- Host Code
- Network Code
- Delivery Notification

Once you have specified the search parameters, click 'Search' button. The system displays the records that match the search criteria.

Double click a record after selecting a record to view the detailed screen.

2.8.3 SWIFT FIN Header Processing

Below is the list of messages applicable on Swift Fin Header preferences and Host preferences:

Message Type	Message Description
MT103/103 REMIT/103 STP	Single Customer Credit Transfer
MT202	General Financial Institution Transfer
MT205	Financial Institution Transfer Execution
MT202COV	General Financial Institution Transfer
MT205COV	Financial Institution Transfer Execution
MT200	Financial Institution Transfer for its Own Account
MT210	Notice to Receive



While generating the outgoing MT message, system checks for Delivery Notification maintenance done in the FIN Header Host Preference (PXDFNHST) screen.

If there is no host level message preference maintained, then system checks the FIN Header Preference (PXDFNHDR) screen.

Level 1	SWIFT FIN Header Host Preference
Level 2	SWIFT FIN Header Preference

Based on the Message Priority (i.e. Value provided in Bank priority field) of outgoing transaction input screen and Delivery Notification field value, the Delivery Monitoring field of FIN message application header gets populated

- When Message Priority value is U
 - If Delivery Notification value is 'Required, Field value gets populated with 3.
 - If Delivery Notification value is Not Required, Field value gets populated as 1.
- When Message Priority value is N
 - If Delivery Notification value is 'Required, Field value gets populated with 2.
 - If Delivery Notification value is Not Required, Field value gets blank.

Note

When value of the delivery notification is sent as blank then system do not receive MT011 (i.e. Delivery Notification) from SWIFT.



3. Function ID Glossary

Μ

MSDBLKMN	2-24
MSDBLKRL	2-20
MSDCNMGR	2-39
MSDFQMAP	2-45
MSDFTACN	2-36
MSDLAUMN	2-48
MSDNOTIB	2-47
MSDPTPRM	2-10
MSDRLDFN	2-12
MSDRLGRP	2-15
MSDRLMAP	2-17
MSDSWTSR	2-7
MSSBLKMN	2-26
MSSDEBRL	2-23
MSSFQMAP	2-46
MSSFTACN	2-38
MSSLAUMN	2-49
MSSPTPRM	2-11

MSSRLDFN	
MSSRLGRP	
MSSRLMAP	
MSSSWTSR	

Ρ

PMDCONFL	2-44
PMDCONNW	2-42
PMDINBRW	2-31
PMDMSGRT	2-51
PMDOUTBR	2-27
PMSCONFL	2-45
PMSCONNW	2-43
PMSHYLTR	2-53
PMSINBRW	2-33
PMSMSGRT	2-52
PMSOUTBR	2-29
PXDFNHDR	2-54
PXDFNHST	2-56
PXSFNHDR2-55,	2-56

