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1. About this Manual

1.1 Introduction

This user manual is designed to help you quickly get acquainted with the Funds Transfer (FT) module of Oracle FLEXCUBE.

The manual gives you an overview of the FT module, and takes you through the various steps involved in processing incoming and outgoing funds transfers (FTs).

Besides this manual, you can find information relating to specific features and procedures in the Online Help, which can be invoked, by choosing 'Help Contents' from the *Help* Menu of the application. You can obtain information specific to a particular field by placing the cursor on the relevant field, and striking <F1> on the keyboard.

1.2 Audience

You will need to use the Funds Transfer sub-system whenever you are sending:

- Outgoing payments by the media types defined in the Messaging System (MS) Module of Oracle FLEXCUBE
- Outgoing payments with Reimbursement
- Incoming payments
- Internal transfers

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

Role	Function
Back office clerk	Input functions for contracts
Back office managers/officers	Authorization functions
Product Managers	Product definition and authorization
End of Day operators	Processing during End of Day/ Beginning of Day.
Financial Controller/Product Managers	Generation of reports

1.3 Organization

This manual is organized into the following chapters:

Chapter 1	<i>About this Manual</i> gives information on the intended audience. It also lists the various chapters covered in this User Manual
Chapter 2	<i>Funds Transfer - An Overview</i> is a snapshot of the features that the module provides.

Chapter 3	<i>Defining Attributes of FT Product</i> explains at length how to capture the details of the FT product in Oracle FLEXCUBE.
Chapter 4	<i>Maintenances Required for Processing FTS</i> details the procedure for maintaining debit or credit value date spreads for internal customer transfers, as well as the maintenance of national clearing codes
Chapter 5	<i>Processing Funds Transfer</i> describes the processing of FTs.
Chapter 6	<i>Automatic Processes</i> explains the Batch Processes that are initiated at the beginning or at the End of Day.
Chapter 7	<i>Batch Upload Function</i> explains the FT 'upload' facility that the module offers.
Chapter 8	<i>Straight Through Processing - An Overview</i> is a snapshot of the features that the STP function provides.
Chapter 9	<i>Maintenance for Straight Through Processing</i> details the maintenance or reference information that you need to set up to configure the system for straight through processing
Chapter 10	<i>Straight Through Processing – Sequence of Events</i> details the sequence of events according to which the STP function creates and processes contracts. This chapter also presents a few examples relating to how the STP function processes different kinds of funds transfers.
Chapter 11	<i>Processing of Non SWIFT Incoming Payment Messages</i> details the maintenances required and explains the upload of non-SWIFT messages.
Chapter 12	<i>Annexure A - Accounting Entries and Advices for FTS</i> contains a list of suggested accounting entries and advices for the FT module.
Chapter 13	<i>Annexure B - Derivation of Debit and Credit Accounts for STP</i> lists the step-wise sequence of the derivation logic of both the debit account and credit account for each of the incoming payment message types
Chapter 14	<i>Glossary</i> defines the terms used in this manual.
Chapter 15	<i>Reports</i> provides a list of reports that can be generated in this module and also explains their contents.




















1.4 Related Documents

You may need to refer to any or all of the User Manuals while working on the Funds Transfer module:

- Procedures
- Settlements
- User Defined Fields
- Shadow Processing

1.5 Glossary of Icons

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

Icons	Function
	New
	Copy
	Save
	Delete
	Unlock
	Print
	Close
	Re-open
	Reverse
	Template
	Roll-over
	Hold
	Authorize
	Liquidate
	Exit
	Sign-off
	Help
	Add
	Delete

Refer the Procedures User Manual for further details about the icons.

2. Funds Transfer - An Overview

2.1 Introduction

As the trend towards automated processing increases, and as the demands of the financial business become more complex, Oracle FLEXCUBE, a sophisticated package, breaks down these complexities by its quick, easy-to-use features which are essential to successful financial management.

The Funds Transfer (FT) Module that constitutes a part of Oracle FLEXCUBE is a front office system that handles the processing of the transfer of funds (local and foreign) between Financial Institutions. Financial institutions or banks can initiate these transfers for themselves, or on behalf of their customers.

The FT Module is a comprehensive transaction handling and management system, which integrates with the overall system for settlement of payments, charges, commissions and MIS. The system handles all the necessary activities during the life of a contract, once it is booked. All the relevant account balances will be updated when Transfers are processed.

Exchange rate conversions are automatically effected in cases of Cross-currency Transfers based on the rate and method of conversion that you define. The essence of a funds transfer (i.e., transfer of money and the generation of messages) is handled comprehensively by this module.

With regard to funds transfers, you will encounter some basic terms frequently, which are listed below:

Field/ Term	Explanation	Applicability	SWIFT Equivalent
Ordering Customer	The initiator of the transfer instruction also referred to as the Remitter. The remitter is the source of funds in a payment order	Only in the case of customer transfers (refer section 'Classifying Funds Transfers', below)	Field 50
Ultimate Beneficiary	The Ultimate recipient of funds as a result of the funds transfer (also called beneficiary customer).	Only in the case of customer transfers	Field 59
Ordering Institution	The financial institution that originates a bank transfer / customer transfer		Field 52
Account with Institution	A financial Institution that services the account for the beneficiary customer/ beneficiary institution	Customer and Bank Transfers	Field 57

Field/ Term	Explanation	Applicability	SWIFT Equivalent
Credit Advice	An advice given by the Account With Institution indicating credit to the account of the beneficiary	Any transfer	MT 910
Cover Payment	The reimbursement of an intermediary through one's correspondent	Customer and Bank Transfers	MT202 Cover Message
Sender	Sender of a Payment Message (Not necessarily the Ordering Institution)	Any transfer	
Receiver	Receiver of a Payment Message (Not necessarily the Beneficiary Institution)	Any transfer	

2.2 **Funds Transfer - An Introduction**

A Funds Transfer is a sequence of events that results in the movement of funds from the remitter to the beneficiary. It is also defined as the remittance of funds from one party to itself or to another party through the banking system. It is an essential support function for other financial products such as loan repayment, settlement of trade bills etc., apart from being an important stand-alone function in a typical bank.

Classifying Funds Transfers

Funds Transfers can be classified as Incoming, Outgoing or Internal depending on the direction of flow of funds in the transfer. Incoming or Outgoing transfers are indicative of whether funds are coming in or going out of the bank. Internal transfers indicate funds being transferred within the bank itself (between two accounts within the Bank). No other financial institution is involved in such transfers. Based on the parties involved in the transfer, Funds Transfers can also be classified as customer transfer, bank transfer and bank transfer for own account.

Customer Transfer: A customer transfer is a transfer in which either the ordering customer or the beneficiary customer, or both, are non-financial institutions, i.e. at least one party in the chain is not a financial institution.

Bank Transfer: A bank transfer refers to the transfer of funds between the ordering institution and beneficiary institution. Here the originator and beneficiary and all intermediary parties are financial institutions.

Bank Transfer for Own Account: A transfer initiated by a bank to transfer funds from one of its accounts (held in one Bank) to another account (held in another Bank).

2.2.1 **Media Supported**

Messaging which constitutes an important ingredient of a Funds Transfer is supported. In Oracle FLEXCUBE, FTs can be executed using any of the following media types:

- Mail

- Telex
- SWIFT

The following SWIFT messages are supported for FTs:

Type of transfer	Message type
Customer Transfer	MT 103 and 103+
Customer Transfer with Cover	MT103 and 103+ and MT202
Bank Transfer	MT202 and MT205
Bank Transfer with cover	MT 202 and MT205
Bank Transfer for Own Account	MT200 and MT210
Notice to Receive	MT 210
Incoming Bank Transfer with Notice to Receive	MT 202 and MT 210
Confirmation of Debit	MT 900
Confirmation of Credit	MT 910
Multiple Customer Credit Transfers	MT102 and 102+
Request for Transfer	MT101
Multiple Bank Transfers	MT203
Multiple Bank Transfers for Own Account	MT201

2.2.2 Shadow Processing for Funds Transfer

Shadow processing is a feature that facilitates accounting for the same transaction based on different GAAPs. For FT, as part of shadow processing, certain transactions, maintenances and batches will be replicated in a second schema, which is the shadow schema. The shadow schema has a GAAP different from the one in which the original operation is carried out (the main schema). This ensures that accounting is done in accordance with both GAAPs for operations requiring such accounting treatment.

Refer the chapter 'Shadow Processing' in the Shadow Processing User Manual under Core for details on operations that are replayed for the module and the shadow processing feature

3. Defining Attributes of FT Product

3.1 Introduction

In this chapter, we shall discuss the manner in which you can define attributes specific to a Funds Transfer product.

You can create an FT product in the 'Funds Transfer Product Definition' screen. You can invoke the 'Funds Transfer Product Definition' screen by typing 'FTDPRMNT' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

In this screen, you can enter basic information relating to a FT product such as the Product Code, the Description, etc.

The screenshot displays the 'Funds Transfer Product Definition -- Web Page Dialog' window. The form contains the following fields and values:

- Product Code * 123A
- Description * ft product validation
- Product Type I
- Incoming
- Slogan
- Product Group DUMMY
- DUMMY
- Start Date 7/3/2000
- End Date
- Remarks

The bottom navigation bar includes tabs for Accounting Roles, Events, Branch & Currency, Customer, Preferences, Charges, Tax, MIS, and Fields. The status bar at the bottom shows:

- Input By DEEPA1
- Date Time 7/3/2000 13:56:57
- Modification Number 3
- Open
- Authorized
- Exit button

For any product you create in Oracle FLEXCUBE, you can define generic attributes, such as branch, currency, and customer restrictions, interest details, tax details, etc., by clicking on the appropriate icon in the horizontal array of icons in this screen. For a FT product, in addition to these generic attributes, you can specifically define other attributes. These attributes are discussed in detail in this chapter.

You can define the attributes specific to a FT product in the FT Product Definition Main screen and the FT Product Preferences screen. In these screens, you can specify the product type and set the product preferences respectively.

For further information on the generic attributes that you can define for a product, please refer the following Oracle FLEXCUBE User Manuals:

- Products
- Interest
- User Defined Fields
- Settlements

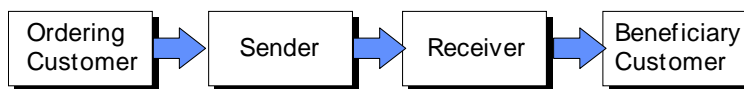
Product Type

An important detail in defining a product is to specify the type of product you are creating. The product type identifies the basic nature of a product. This helps to classify the product.

The entries that are passed, the messages that are generated and the processing of contracts depend on the Product Type. An FT product that you create can either be:

- Incoming
- Outgoing
- Internal

An Incoming Transfer is one in which the beneficiary of the transfer is a customer of your bank. Since funds are coming into your bank, it is termed as an incoming transfer.



An Outgoing Transfer on the other hand, indicates a transfer initiated by your bank, either for itself or on behalf of its customers. As the beneficiary of the transfer is not a customer of your bank, you will have to pass on these funds to the ultimate beneficiary through another bank or a series of banks. Such a transfer of funds is termed as an outgoing transfer since funds are going out from your bank.



An Internal Transfer involves funds that are transferred from one account to another within your bank or between the branches of your bank.

A few instances of Internal Transfers have been listed below:

- If a customer of your bank, with more than one account requests you to initiate a transfer of funds from one of his accounts to another.
- If a customer of your bank initiates a transfer from his account to the account of another customer of your bank.

Therefore, internal transfers do not involve funds that are transferred through a chain of banks, or payments made from or to a correspondent bank account. As the transfer of funds does not involve a party outside the circle of your bank, it is termed as an internal transfer. The customers involved in the transfer will be kept informed by means of debit or credit advices.

Product Description

Give the narration about the product.

Slogan

Enter the text that should appear in the report or an advice generated with regard to this product.

Start Date

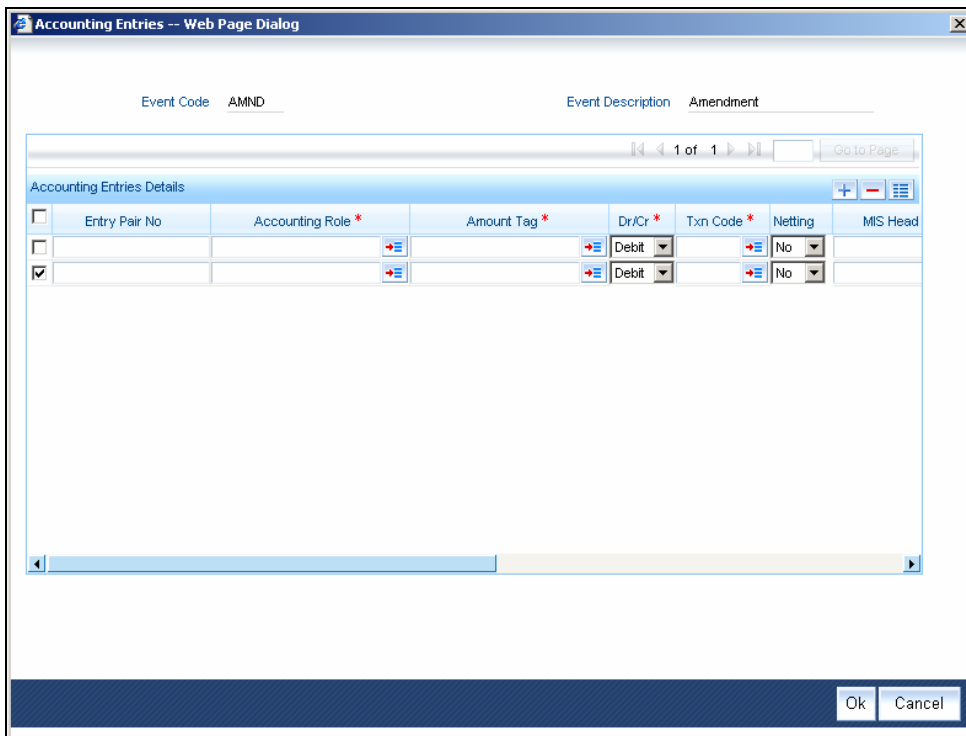
Specify the date from which this product should be open for contracts to be created under it.

End Date

Specify the date until which contracts should be created using this particular product.

3.2 Defining Accounting Entries for a Product

You can define accounting entries for each event you have associated to the product in the 'Accounting Entries' screen. To invoke this screen, click the 'Events' button in the 'Funds Transfer Product Definition' screen, select an event and click 'Accounting Entries' button in the 'Events Definition' screen.



The system displays the event code and description. You are required to specify the following details:

Entry Pair Number

Specify a unique number to identify a pair of accounting entries. At the time of saving the product, the system will check that no two pairs for an event have the same pair number and that all accounting entries have an entry pair number. When accounting entries are posted, the system stores this number for the given pair along with the entries.

Refer the 'Product' User Manual under Modularity for more details on the fields in this screen

3.3 Specifying Preferences for Product

'Preferences' are the attributes or terms related to core processing that you define for a product. By default, a transfer involving a product inherits all the attributes defined for the product. However, some attributes (preferences) that are defined when the product was created can be changed during the processing of individual FT contracts (i.e., at the contract level) involving the product.

Click 'Preferences' button to invoke the FT Product Preferences screen. Through this screen you can define the following Preferences for a product:

- Specify Rate related preferences
- Specify Message related preferences
- Specify the Override limit preferences
- Specify Instrument related preferences
- Indicate whether Cross Currency transfers are allowed
- Indicate whether Future Valued transfers are allowed
- Indicate whether the value of certain fields should be re-keyed at the time the contracts linked to this product are being authorized. You can also specify the fields whose values have to be keyed in during authorization.
- Charge Options
- RTGS preferences

The product code together with a brief description that you specified for the product in the product definition screen will be displayed at the top of the screen. The FT Product- Preferences screen contains nine sections. Each of these sections captures specific information about the product.



Not all product preferences are allowed to be amended, after the product has been authorized once. So care needs to be taken before authorization of the product to ensure that the product attributes (preferences) have been maintained correctly.

3.3.1 Specifying Message Related Details for Product

In this section you can define message related details for outgoing transfers.

Transfer Type

Indicate the type of transfers that the product can be associated with. From the option list you can choose any of the following options:

- Customer transfer
- Bank transfer
- Bank transfer for own A/c
- Direct Debit Advice
- Customer Transfer with Cover



The “transfer type” preference is applicable only for ‘outgoing’ type of funds transfer products.

Choose ‘Customer transfer’ if the remitter or the beneficiary of the transfer are not financial institutions.

Select ‘Bank transfer’ if the originator and beneficiary of the transfer are financial institutions.

Select 'Bank transfer for own A/c' when your bank is initiating a transfer of funds from one Nostro account to another Nostro account with another financial institution. For these types of transfers, cross-currency option is not allowed.

Select 'Customer Transfer with Cover' to generate cover messages in 202COV, 205COV, or CUST_RTGS_COV format.



Note the following:

- You cannot select 'Customer Transfer with Cover' option for 'Internal' product types.
- You cannot select 'Cover Required' option when the transfer type is 'Customer Transfer with Cover'.

The type of transfer that you indicate, will determine the type of payment message that will be generated for contracts involving the product.

Suppress BV Payment messages

Indicates whether or not the system should suppress by default, the payment message for all back valued contracts (contracts with debit value date less than the system date) of the product. This would be enabled only for outgoing funds transfers. By default, this option would be unchecked for all outgoing FT products.

For instance, if the bank wishes not to generate and send outgoing payment message for a back valued dated contracts, then the bank can check this option to enable the option.

Multi Credit Transfers

Enabling this option indicates that the particular FT product can be used for Multi Credit Transfers and also to generate MT201 message A Multi Credit Transfer may be either a Multi Customer Transfer or a Multi Financial Institution Transfer or Multi Transfer for Own Account. In case of a Multi Customer Transfer, the payment message sent will be MT102 not MT103. In case of a Multi Financial Institution Transfer, the payment message sent will be MT203. In case of a Multi Financial Transfer for Own Account, the payment message sent will be MT201. Multi Credit Transfer will be allowed in the following instances:

- Outgoing 'Customer Transfer' or 'Bank Transfer' or type of FT Products
- Incoming Transfer FT Products
- Payment Method is through a Message
- 'Allow Message before accounting' is not enabled
- 'Message as of' and 'Rate as of' is equal to the Booking Date
- 'After Rate Refresh' is not enabled
- Split Dr/Cr Liquidation is not enabled

Cover Required

Indicates whether a cover message needs to be sent for the transfer or not. Check against 'Cover Required' to indicate that a cover is required. Leave it unchecked to indicate otherwise.

Generate 103

Indicate whether MT 103 messages for outgoing transfers using the product must be generated in the MT 103+ format.

As a result of this maintenance, the system will generate payment messages in the MT 103 + format for all contracts involving the product.



If you are enabling the MT 103+ option for a product, also ensure to enable the same option for the branch, customer and currency involved in the transaction. The criteria for validation will be as follows:

- Product Type – Outgoing
- Transfer Type – Customer
- Payment By – Message

If the validation criteria fail due to some reason the system displays an error message informing you about its inability to generate the payment message in the preferred MT 103 + format.

Generate MT102

Check this box to indicate that MT 102+ messages can be processed for the Product code you are maintaining. On checking this box, you must also select Multi Customer Transfer so as to process MT102+ messages.

Remit Message

Check this field to send remit messages using this product. Also, If you wish to send the envelope contents, you need to check this field.

The following validations will be carried out in Oracle FLEXCUBE if the 'Remit Message' box is checked:

- The Sender and Receiver are Remit members
- Envelope contents are mandatory
- If the 'Remit Message' box is checked, the value of the Transfer Type will be 'CUST_TRANSFER'

An override message is displayed if payment details are maintained

The remit message will be displayed in the message in the Block 119 as 119:REMIT.



The 'Remit Message' box is enabled only for customer transfer.

3.3.2 Processing Back Values Payment Messages for Outgoing FT Contracts

In case of an outgoing FT contract which is back-dated (debit value date of the contract is earlier than the system date) and the 'Suppress BV payment message' option is checked for the product, the system will set the Generate Message option as 'No' for both the credit and debit legs of the contract.

Upon saving the contract, the system will show an over-ride saying 'The contract is Back Valued'. If you press 'OK', another over-ride indicating 'Message will be Suppressed will be displayed. Click OK to Proceed?' will be displayed. If you press 'OK' again, you will continue to save suppression of the messages. If you press 'CANCEL,' you will cancel suppression of the messages. However, you can still generate the payment message by visiting the Settlements screen and checking the 'Generate Message' option there.

The option 'Suppress BV payment message' at the product level will decide the default value of the 'Generate Message' option for backdated outgoing funds transfer. However, the generation of payment message can be controlled at the contract level by checking or un-checking the 'Generate Message' option manually in the Contract Settlements screen.



For more details on FT contracts, please refer the Contracts chapter.

3.3.3 Specifying Payment Related Preferences

For an FT product, you can specify the mode in which the payment processing would be put through, for contracts involving the product. The mode may differ based on the classification of the contract – whether incoming or outgoing, whether bank or customer, and so on.

Message

For instance, in an outgoing customer funds transfer, payment may be made (i.e., the transfer of funds can be effected) through SWIFT messages such as MT 103. To specify this, indicate the payment option as 'Message' type, in the Preferences screen.

Instrument

For manager's check type of funds transfer product, the payment could be typically effected through a payment instrument. To specify this, indicate the payment option as 'Instrument', in the Preferences screen.

3.3.4 Specifying Rate Related Details for Product

In this section you can specify rate related details for the product. The rate details that you define for the product will be defaulted to all contracts involving this product. However, you have the option to change them for the contract.

Rate Type

Indicate the exchange rates that are to be picked up and applied to the transfer amount for contracts involving the product. The options available for the rate pickup are:

- As per Standard rate
- As per Standard rate after Rate Refresh
- As input in the Contract

If you choose 'As per standard rate', the system computes the transfer amount by picking up the exchange rates from the currency table maintained in the Core Services module of Oracle FLEXCUBE.

The system applies the spread that you define for the product to the standard exchange rate.

If you specify 'Standard rate after Rate Refresh', the contract to which the product is associated will be put on hold and will not be processed until the exchange rates for the day have been refreshed.

You will not be allowed to perform further operations on such a transfer product until the rate refresh process for the day has been run and authorized.

Refer to the chapter 'Batch Processes' for details of the Rate Update function

If you specify 'as input in the contract', the system computes the transfer amount based on the exchange rate that you specify while processing transfers involving the product.

Rate as of

After you have defined preferences for the exchange rate pickup, you can indicate the date or the day as of when these rates should be picked up and applied to the transfer amount. This preference is applicable only for outgoing and internal product types. Also, the rate pick-up preference applies only cross currency contracts (contracts in which the debit and credit legs are in different currencies) and for the conversion between the two contract amounts (debit amount and credit amount).

The possible dates for Rate pickup
Booking date
Spot date
Value date
Dr. Value date
Cr. Value date
Instruction date

Booking date - If you indicate 'Booking Date', the rate type prevailing as of the date you entered the contract will be picked up. In the case of a normal contract (a contract that is liquidated on the booking date) you should specify that the rates should be picked up as of the booking date. For future valued transfers you can specify that the exchange rates can be picked up as of the booking date, value date or spot date.

Spot date - For each currency that your bank deals with, you have also specified a spot date. The spot date for the currency is maintained in the Currency Definition Maintenance table of the Core Services module.

If you specify that the exchange rate should be picked up as of the 'Spot Date', then messages will be generated on the spot date (depending on the spot date you have maintained for the currency involved in the transfer).

Value date - If you specify value date, exchange rates prevailing as of the date on which the transfer becomes effective will be applied to the transfers. The Accounting Entries for the contract will be passed as of this date.

You can also enter the value date of your choice here. The date that you enter can be one of the following:

- Today's date
- A date in the past
- A date in the future. You can enter a date in the future only if future dating has been allowed for the product to which this contract is linked.

The Value Date (transfer initiation date) should not be earlier than the Start Date or later than the End Date of the product involved in the transfer.

Dr. Value date - If you specify this option, exchange rates prevailing as of the value date of the debit leg of the contract will be applied to the transfer.

Cr. Value date - If you specify this option, exchange rates prevailing as of the value date of the credit leg of the contract will be applied to the transfer.

Instruction date - If you specify this option, exchange rates prevailing on the date on which the customer placed the instruction to debit the customer account will be applied. This is similar to debit value date.

Message as of

You can specify the date on which messages for the contracts linked to the product should be generated and accounting entries be posted. This is applicable only for outgoing and internal product types.

Possible dates for Message generation
Booking date
Spot date

Value date
Dr. Value date
Cr. Value date
Instruction date

Allow Message before Accounting

You can indicate whether the system must allow generation of messages before the relevant accounting entries are passed for contracts using the product. This preference is only applicable for outgoing product types.

If this option is set for a product, it is defaulted to all contracts using the product. When you enter a contract using such a product, you can specify whether accounting entries must be passed on the date of message generation or on the debit value date.

A note on rate picks up and message generation dates

There exists a definite link between the rate pick up and the message generation code. The Rate pickup and message generation codes need to be combined in a fashion to facilitate the following flow:

1. Rate pickup
2. Message Generation

Based on the combination that you specify, exchange rates will be picked up and messages generated. Accounting entries will be passed and then messages will be generated.

All the possible combinations between the rate pickup and the message generation codes have been explored and detailed below.

Standard rate as of Booking date - Message as of Spot date

If you select this combination;

- The amounts will be converted using the rates available in the Currency table (on the booking date). The spread will be applied to the rate, based on the spread code you specify.
- Messages will be generated Spot days before the settlement date.

Rate as of Spot - Message as of Spot

If you choose this combination;

- The contracts involved in a product with this combination will not be processed in the same manner as a normal contract. The Autobook function (a batch process explained in the chapter 7) run either at EOD or BOD picks up the exchange rates as of spot days before settlement date and applies this rate to the contract and commission amounts and also passes accounting entries.

- Messages will also be generated by the Autobook function on the spot date.

Rate and Message as of Value date

If you choose this combination the transfer amount will be converted based on;

- The rates that will be picked up on the value date and
- Messages will be generated on the value date.

Rate as of Booking date - Message as of Booking date

If you select this combination, the system converts the transfer and commission amount based on the:

- Rates that are available in the Currency table at the time of contract input
- Messages will be generated after the contracts involving this product are authorized.

Spread Code

The Standard exchange rate is the Mid Rate advised by the Central bank of the country for all foreign exchange operations. Based on the Mid Rate quoted for a currency and other market trends each bank determines its spread.

Spreads are nothing but the margins on either side of mid rate (plus or minus) calculated to determine the rate at which your bank will buy or sell currencies. Spreads are maintained in the Currency Spread table of the Core Services module.

For a product, you can specify the fraction of the spread that should be applied to contracts involving this product. The options available are:

- *No spread* -- indicating that no spread will be applied to the components of transfers involving the product.
- *Full spread* -- indicating that the full spread specified for the currency in the currency spread table will be applied to the components of transfers involving this product.
- *Half spread* -- indicating that only half the spread will be applied to the components of transfers involving this product.
- *1/4 spread* -- indicating that only one fourths of the spread will be applied to the components of transfers involving this product.
- *1/8 spread* -- indicating that only one eighths of the spread will be applied to the components of transfers involving this product.

3.3.5 Specifying Clearing Related Details for Product

If you indicate the Payment Type as 'Clearing', you have to identify the Clearing Network. Further, if the FT product you are creating is used for processing 'ZUS' transactions, select the 'Special Clearing' option under Clearing Related information.

3.3.6 Specifying Instrument Related Details

In this section you can define Instrument related details for the product:

Instrument Number Required

Check against this option to indicate whether the Managers Check No should be a mandatory input at the Contract level. This would typically be applicable only for funds transfer product types such as Demand Drafts / Managers Check Issuance.

Managers Check Payable GL

If you have specified that an instrument number is required, you should also indicate the Managers check payable GL to be used by transfers involving the product. This GL would be used to park the outgoing funds till liquidation is done, whereby the amount in this GL would be washed out to the credit of the appropriate nostro account.

This field will be activated only if you had indicated that an Instrument Number is required. You can select a valid foreign and local currency type GL from the pick list that is available.

DAO GL

In the case of incoming transfers where the payment is routed to the ultimate beneficiary through a suspense GL (which is an intermediary parking account), you must specify the DAO GL number.

You can select a DAO GL from the option list that is available.



The DAO GL is also credited when an Incoming FT is received, in case the credit account is closed or the account number mentioned is invalid.

3.3.7 Specifying Contract Authorization Details for Product

You can specify whether certain important details of the contract involving this product need to be re-keyed at the time when the contract is being authorized. If you indicate positively then the fields that you specify will have to be re-keyed at the time the contract is authorized.

Under 'Fields' you will have to check against the specific fields that need to be re-keyed during contract authorization.

This facility has been incorporated as a safety measure. It would do you well to indicate positively in these fields as the possibility of human error cannot be discounted. For instance let us assume that the value date has been input incorrectly for a contract. If you have specified 'Yes' at the Re-key Required field and checked on Value date under 'Rekey Fields' then at the time when the contact is being authorized this field will have to be re-keyed and the error which would have otherwise cost you dearly can be corrected.

3.3.8 Specifying Other Preferences for Product

Split Dr/Cr Liquidation

Check this option, then both initiation and liquidation events get triggered for any outgoing FT product. By default, this option is not enabled.

Future Value Allowed

Check this option if the future valued contracts can be input using this product

Cross Currency Allowed

Check this option if the Cross-currency transactions can be input using this product

Process Overdraft for Auto Book

Check this option if the Process overdraft for Autobook facility should be made available for the product. This field is applicable to future dated contracts involving this product. The Autobook function automatically liquidates future dated contracts. There could be a situation where a customer requests you transfer an amount that actually exceeds the amount in his account. In this field you can specify whether contracts involving this product which is picked up by the Autobook function can be processed in spite of the overdraft.

Validate Beneficiary Name

Check this option if the Beneficiary Name should be validated against the authorized variations of the customer's name maintained in the Customer Names screen. This feature is applicable only for incoming funds transfers. If you enable this option, all incoming FTs involving the product are processed only after the customer's Account Number and Name correspond to the authorized variations of the customer's name.

Beneficiary IBAN mandatory

You can indicate whether IBAN validation needs to be done in respect of the Beneficiary account number of the contract. If the IBAN validation fails, an error message is displayed by the System.

The following details can be specified:

- Even during upload of incoming FTs the first line of the beneficiary name will be validated against the authorized validations. The contract is marked as authorized only if the beneficiary Account Number and Name correspond to the authorized variations of the customer's name.
- If the validation fails the contract will be uploaded as unauthorized. Even during manual authorization of such contracts, an override is displayed asking whether the customer name needs to be added to the existing list. It will be added to the existing list on confirming the override.

3.3.8.1 Indicating whether Referral is Required

Referral refers to the process of handling customer transactions which force the accounts involved in such a transaction to exceed the overdraft limit. Funds Transfers are examples of typical transactions, which can force an account to move into overdraft. While maintaining the details of an FT product you can indicate whether transactions involving the product need to be considered for referral checks. Enabling this option indicates that transactions involving the product need to be considered for referral.

The referral process is handled for the future dated contracts through the FT Auto batch process.

For more details on the referral function in the batch process, refer to the chapter 'Automatic Processes' of the Funds Transfer user manual.

If a product is marked for referral, the details of transactions resulting in the account (involved in the transaction) moving into Overdraft will be sent to the Referral Queue.



If an FT transaction breaches the specified limits, the details of the transaction will be displayed in the Unposted Entries section of the queue. You can either choose to accept or reject it.

For further details on Referrals refer to the Processing Referrals in Oracle FLEXCUBE chapter of the Core Entities manual.

3.3.9 Maintaining Product Event Accounting Entries for Outgoing Funds Transfer

Oracle FLEXCUBE will route all outgoing funds transfer through suspense GL called INTMD_SUSPENSE. This is a liability type of GL. The accounting entries passed in this GL for an initiation event would be as follows:

Dr/Cr Indicator	Accounting Role	Amount Tag	Value Date
Dr	REMITTER	AMT_EQUIV	Dr Value Date
Cr	INTMD_SUSPENSE	AMT_EQUIV	Dr Value Date

The accounting entries for a liquidation event would be as follows:

Dr/Cr Indicator	Accounting Role	Amount Tag	Value Date
Dr	INTMD_SUSPENSE	AMT_EQUIV	Cr Value Date
Cr	BENEFICIARY	TFR_AMT	Cr Value Date

If the Split Dr/Cr Liquidation option is unchecked, then charges, other than Liquidation Charges, would be defined for the Book event and liquidated during initiation

If the Split Dr/Cr Liquidation option is checked, then the Charge Accounting Entries would be defined for both initiation and liquidation events. The corresponding Charge Accounting Entries would be passed and the charge liquidated during initiation, provided, Charge Whom is 'Remitter' or 'Shared'. In case Charge Whom is 'Beneficiary', then the corresponding charge accounting entries would be passed at the time of liquidation.

3.3.10 Processing Split Dr/Cr Liquidation for FT Contracts

If the 'Split Dr/Cr Liquidation' option is enabled for a product, then the system will trigger initiation and liquidation event simultaneously, even if the value date for both the debit and credit legs is the same. If the credit value date for a contract is after the system date, then liquidation will not be triggered immediately.

The following cases are possible.

Case I – The value of 'Accounting as of' is a message date.

In such a case, the entries would be passed along with the message.

- For an outgoing product
- Of type customer transfer
- For payment type as message
- With 'Split Dr/Cr Liquidation' option enabled for the product
- And if the credit value date is greater than the Application date

The system would trigger the initiation event 'INIT' along with the message generation.

The liquidation would be deferred and event 'LIQD' would be triggered only on the Credit Value date.

Case II – The value of 'Accounting as of' is a Debit value date.

- For an outgoing product
- Of type customer transfer
- For payment type as message
- With 'Split Dr/Cr Liquidation' option enabled for the product
- And if the Credit Value date is greater than the Application date

The initiation event 'INIT' would be triggered on the Debit Value date.

The liquidation would be deferred and the event 'LIQD' would be triggered only on the Credit Value date.



For more details on FT contracts, please refer the corresponding chapter.

3.3.11 Batch Processing of FT Contracts

FT batch would be enhanced to pick up those contracts with credit value date less than or equal to the current date and trigger Liquidation event for those contracts.

In case the Split Dr/Cr Liquidation option is enabled, then the corresponding Charge Accounting Entries would be passed and the charge, liquidated, during initiation of the contracts. This would happen, provided, Charge Whom is 'Remitter' or 'Shared'. In case Charge Whom is 'Beneficiary', then the charge accounting entries would be passed during liquidation.



For more details on FT contracts, please refer the corresponding chapter.

3.3.12 Applying Currency Cut-off Checks on Transactions Involving Product

You can choose to restrict the time within which (or before which) funds transfer transactions involving a customer, in the product, involving a specific currency, must be received for processing. For a specific customer, product, and a currency, you can specify a certain number of days before which a transaction involving the combination must be received, as well as a cut-off time before which transactions must be received. These parameters are known as currency cut-off parameters, and you maintain these parameters in the Value Dated Spread maintenance. You also maintain cut-off parameters to be applied for each currency, in the Currency Definition.

To specify that such cut-off checks must be performed in respect of a funds transfer transaction, select the option 'Cut-off Days Check' in the 'Product Preferences' screen. The cut-off days and the cut-off time that is to be applicable, for each currency, is picked up from the Value Dated Spread maintenance, if available, and if not, from the Currency Definition specifications.

Example

For a product, IUSD, involving incoming payments, your bank has maintained cut-off checks for payments in USD.

The value date of a funds transfer transaction (incoming payment) involving the product IUSD, and involving the USD currency, is 3rd June 2001. The number of cut-off days specified for the currency is 2. This means that the payment must be received on or before 1st June 2001. If the payment is received on 1st June, it must be received before the cut-off time specified for USD.

If the USD cut-off time is 1200 hrs, then, if the payment is received on 1st June 2001, it must be received before 1200 hrs.

3.3.13 Specifying Rate Variance

For an FT product you can specify the Rate type to be either Standard, Standard (after rate refresh). These values will be defaulted to all contracts involving this product. At the time you input a contract you have the option of changing the default and specifying an exchange rate of your choice. This field is applicable only if you have decided to change the product default and if the contracts linked to the product are cross currency transfers.

In this section you can specify the minimum and maximum limit by which the exchange rate you input for contracts involving this product can exceed the standard exchange rate.

- In the Override limit field you can specify the minimum percentage over which you can exceed the normal exchange rates and save a contract, with an override from the system.
- In the Maximum Limit field you can specify the maximum percentage upto which you can exceed the normal exchange rate, above which the system will not allow you to store the transaction.

Example

Let us assume that for a Product, you had specified the override range to be between 7% and 30%. In such a case the entries in these fields would read;

Override Limit - 7%

Maximum Limit - 30%

Let us assume that you are entering a contract involving this product. This is a cross currency contract and involves the US and the Australian dollar. Also assume that the Mid Rate for the currency pair and the rate type is 1.25. Should you wish to override the existing rates for the currency pair, the permissible override should range between 7% and 30%. We shall examine the three possible situations that you can encounter.

Below the override limit - Let us assume that for the contract you have specified the exchange rate to be 1.2. In this case the exchange rate exceeds the standard rate by 4%. The transfer will be processed.

Within the override limit - Let us now assume that you had specified the exchange rates to be 1.5 in this case you are overriding the standard rate by 20%. You will be prompted to confirm the override. If you confirm the override the transfer will be processed using these rates.

Above the override limit - Let us visualize a situation in which you had specified the exchange rates to be 2.5. In this case you will be overriding the standard rate by 100%. In such a case an error message will be displayed and you will not be allowed to proceed with the transfer until the exchange rate you specify is within the permissible limit of 7-30%.

3.3.13.1 Specifying Charge Details

There are obvious costs involved in transferring funds from one location to another. You need to indicate who will actually bear these service charges. You can select an option from the option list that is available.

Identify the party that would bear the charges in respect of a funds transfer contract that is processed using this product. The following options are available:

- Remitter – All Charges (all charges are borne by the remitter)
- Beneficiary – All Charges (all charges are borne by the beneficiary)
- Remitter – Our Charges (the remitting bank's charges are borne by the remitter)
- Own Charges
- Receiver Bank Charges

This specification is inherited by all contracts using the product. If you require not allowing this specification to be changed when a contract is entered using the product, you must check the 'Allow Change in Contract' box.

Example

An outgoing transfer

Let us assume that Silas Reed orders Leander Bank, Vienna to transfer US \$ 100,000 to the account of Wendy Klien with Citibank Vienna, also assume that the charges incurred to effect the transfer, amounts to US \$ 1000.

At Leander, Vienna it is an outgoing transfer.

Case 1 -- Charge Bearer (Beneficiary)

In this case the beneficiary bears the charges incurred to transfer funds. Therefore Leander Bank would:

- Debit Silas Reed's account for US \$ 100,000.
- Transfer only US \$ 99,000 to the account of Wendy Klien with Citibank, Vienna.
- Credit its income account with US \$1000.

Transfer Type	Charge Bearer	Charges	Amount Transferred
Outgoing	Beneficiary	US \$ 1,000\$	US \$ 99,000

Case 2 -- Charge Bearer (Ourselves)

In this case, the remitter bears the charges incurred to transfer funds. Therefore LeanderBank Vienna would:

- Debit Silas Reed's account for US \$ 101,000.
- Transfer US \$ 100,000 to the account of Wendy Klien with Citibank, Vienna.
- Credit its' own income account with US \$ 1000.

Transfer Type	Charge Bearer	Charges	Amount Transferred
Outgoing	Ourselves	US \$1000	US \$100,000

An Incoming Transfer

Let us assume that Wendy Klien orders Citibank, Vienna, to transfer US \$ 100,000 to the account of Silas Reed with Leander Bank, Vienna. Assume also that the Leander Bank charges customers for incoming funds transfers to the extent of US\$ 1000.

At Leander, Vienna, this is an incoming transfer.

Case 1 – Charge Bearer (Beneficiary)

In this case it is the beneficiary that bears the charges incurred to effect the transfer. Therefore Leander, Vienna would:

- Credit US \$ 99,000 to the account of Silas Reed with Leander Vienna
- Debit nostro account with Citibank for US \$ 100,000 and
- Credit its' own account with US \$ 1000.

Transfer Type	Charge Bearer	Charges	Amount Transferred
Incoming	Beneficiary	US \$1000	US \$ 99,000

Case 2 – Charge bearer (Remitter)

In this case, the remitter bears the charges incurred to effect the transfer. Citibank Vienna would therefore:

- Debit Wendy Klien's account to the extent of US\$ 101,000
- Transfer US \$ 100,000 to the account of Silas Reed with Leander, Vienna.
- Credit its' own income account for the charges.

Transfer Type	Charge Bearer	Charges	Amount Transferred
Incoming	Ourselves	US \$1000	US \$100,000

Internal Transfer

Let us assume that Silas Reed orders Citibank, Vienna to transfer US \$ 100,000 to the account of Wendy Klien, also with Citibank, Vienna. Also assume that the charges incurred to effect the transfer amounts to US \$ 1000.

Case 1 – Charge Bearer (Remitter)

Transfer Type	Charge Bearer	Charges	Amount Transferred
Internal	Beneficiary	US \$ 1000	US \$ 100,000

In this case, Citibank Vienna would:

- Debit Silas Reed's account for US \$ 101,000
- Transfer US \$ 100,000 to the account of Wendy Klien with Citibank, Vienna.
- Credit its' own income account with US \$ 1000.

Case 2 – Charge Bearer (Beneficiary)

In this case, Citibank Vienna would:

- Debit Silas Reed's Account for US \$ 100,000
- Transfer US \$99,000 to the account of Wendy Klien with Citibank, Vienna.
- Credit its own income account with US \$ 1000

Transfer Type	Charge Bearer	Charges	Amount Transferred
Internal	Ourselves	US \$ 1000	US \$ 100,000

3.3.14 Specifying Back Value Date Preferences for Funds Transfer Transactions

You can post back value dated transactions in Oracle FLEXCUBE. However, for the purpose of risk tracking, you can specify a limit beyond which users will be prevented from posting a back value dated transaction in the system.

3.3.14.1 Specifying Dr Back Value Days

This is the number of days within which a user will be allowed to post a back value dated debit funds transfer transaction. In other words, for a back value dated FT, the date on which the remitter's account is to be debited, should fall within the limit maintained here.

3.3.14.2 Specifying Cr Back Value Days


Likewise, for a back value dated FT, the date on which the beneficiary's account is to be credited, should fall within the limit maintained here.

If the value dates do not fall within the Debit or Credit Back Value Days maintained, the system will display the following message:

The Debit or Credit value date is earlier than the Permitted value days

- If the message is configured as an error, you will not be able to proceed with the transaction, till you specify a date, which is within the limits maintained.
- If the override is configured as a warning, you will be able to proceed with entering the transaction, but an override is logged into the database, that the date specified does not fall within the limits maintained.
- If it is configured as a 'ignore' message, then no back-valuation check will be performed.

These validations are also carried out for transactions that are uploaded from external systems.


 You will be allowed to specify the 'Dr Back Value Days' and 'Cr Back Value Days' only if the 'Dr Back Valuation Check Required' and 'Cr Back Valuation Check Required' options are enabled. If the options are not enabled, the system will allow you to post back-valued transactions up to any date in the past (no check will be done). Further, if the option is checked but you have not maintained the 'Back Value Days' (maintained as NULL), the system will interpret it to be 'Zero' days allowed (for back valued transactions).

3.3.14.3 Specifying RTGS Preferences for Product

You need to specify the following RTGS preferences:

RTGS Product

Click this box if the product is of RTGS type.

 This field is applicable only for outgoing and incoming transfers. It will not be enabled for internal type of transfers.

Sender Notification Required

Check this box to indicate whether a notification is to be sent to the sender from the PM on the status of the original payment message.

When this box is checked and the original payment message is settled in the PM, the sender will receive an incoming MT012 message and if the original payment message is rejected in the PM the sender will receive an incoming MT019 message.

Network

Specify the FIN Y – copy network if the product is intended for FIN – Y Copy message generation. FIN Y copy payments are mostly used for sending a copy of a message or parts thereof to a third party, for example a Central Bank.



This field is enabled only for outgoing and incoming transfers and for RTGS type of products. It will not be enabled for internal type of transfers.

Payment Type

Select the types of payment available in case of TARGET-2 FIN Y-Copy from the adjoining drop-down list. This list displays the following values:

- Domestic Payment
- Cross Border Payment within EU Zone
- Cross Border Payment outside EU Zone
- All

By default, the payment type is shown as 'All'.

For TARGET2 payments, an error will be displayed if the beneficiary bank is not consistent with the product level payment type (domestic, within EU or outside EU).

Banking Priority

Select the priority of the payment messages from the adjoining drop-down list. This list displays the following values:

- Highly Urgent
- Urgent
- Normal

The banking priority is chosen as 'Normal' by default. However, you can modify this value.

You will not be allowed to amend the RTGS preferences, after the product has been authorized once.



The Priority will be displayed in the RTGS messages in tag 113 as 4 Alphabets. For example, 113:NNNN – For a Normal Priority.

4. Maintenance Required for Processing FTs

4.1 Introduction

This chapter enumerates the maintenance of the following reference information used by the Funds Transfer module in Oracle FLEXCUBE:

- Value Date Spreads
- National Clearing Codes

4.2 Maintaining Value Date Spreads

The debit or credit value date spread refers to the number of days that should be added to the value date of an internal customer transfer.

Debit and credit value date spreads are applicable only to internal customer transfers. Internal customer transfers can be of three types:

1. A customer transfers funds from one account to another (the CIF is the same but the accounts are different).
2. The ordering and the beneficiary customer belong to the same customer category.
3. The ordering customer and the beneficiary customers are different but customers of your bank.

In cases 1 and 2, the value date for both the debit and credit legs will be defaulted to today's date.

In case 3, the defaulted Debit and Credit Value Dates will need to be modified based on the spread that is maintained. You can invoke the 'Value Date Spread details' screen by typing 'FTDVSPPR' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

The screenshot shows a web page dialog titled "Value Date Spread Maintenance -- Web Page Dialog". The dialog is divided into several sections:

- Value Date Spread:** This section contains fields for "Customer Identification *", "Currency Code *", "Customer Name", "Product Code *", and "Description".
- Spread Details:** This section contains fields for "Debit Value Date Spread *", "Credit Value Date Spread *", and "Cut Off Details". The "Cut Off Details" section includes "Days", "Cut Off Time HR", and "Minutes".
- Fields:** This section is located at the bottom of the dialog and contains buttons for "Input By", "Authorized By", "Date Time", "Modification Number", "Open", and "Authorized".

Specifying the Value Date Spread

The debit and credit value date spread can be maintained for a customer + product + currency combination. You can select the identification codes of the customer, product, and currency from the option lists available at the respective fields.

Indicating the Spread Details

Indicate the debit and the credit value date spread that is applicable for the combination that you specified. The spread can be positive or negative. It is important to note that the spread that you indicate is always taken to be in calendar days.

In addition to maintaining spreads for individual customers, you can specify debit and credit value date spreads for all customers for a given product and currency combination. Click option list and select 'ALL' from the all valid values available at the field Customer.

While processing an internal customer transfer, where the initiator and beneficiary of the transfer are different customers of your bank, Oracle FLEXCUBE will apply the spread that you maintained for the customer + product +currency combination in the following manner:

Dr account leg	Modified Value Date = Today + Debit spread for customer1
Cr. account leg	Modified Value Date = Today + Credit spread for customer2

Specifying Cut-off Details for a currency, product and customer combination

Choose to restrict the time within which (or before which) funds transfer transactions involving a specific customer, product, and a currency, must be received for processing. For a specific customer, product, and a currency, you can specify a certain number of days before which a transaction involving the combination must be received, as well as a cut-off time before which transactions must be received. These parameters are known as currency cut-off parameters, and you maintain these parameters in the Value Dated Spread maintenance screen.

In this screen, you can maintain the cut-off time, cut-off days and the value spreads to be applicable for:

- Each customer, for a product and currency combination
- All customers, for each product and currency combination

These currency cut-off parameters are validated in respect of a funds transfer transaction only if currency cut-off checks are specified as applicable in the product preferences, for the product involving the transaction.

4.2.1 Impact of Value Dates on Book Transfers

While processing an internal customer transfer, where the initiator and beneficiary of the transfer are different customers of your bank, Oracle FLEXCUBE will apply the spread that you maintained for the customer + product +currency combination in the following manner:

Dr account leg	Modified Value Date = Today + Debit day spread for customer1
----------------	--

Dr account leg	Modified Value Date = Today + Debit day spread for customer1
Cr. account leg	Modified Value Date = Today + Credit day spread for customer2

Example

Creative Publications has requested you to transfer USD 10,000 to the account of Setwell Printers Inc on 1 June 2000. Both are customers of your bank.

The debit value date spread applicable to Creative Publications is 2

The credit value date spread applicable to Setwell Printers Inc is 3

The Debit and Credit Value Dates will need to be modified based on the value date spread maintained for the respective customers.

The account of Creative Publications will be debited for USD 10,000 on 3 June 2000 and the account of Setwell printers will be credited on 4 June 2000.

4.2.2 Maintaining Clearing Network Details

In the Clearing Networks screen, you can maintain the networks (such as SORBNET and ELIXIR) through which you communicate with other banks and financial institutions for funds transfers.

You can invoke this screen by typing 'PCDCLRNT' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button. The screen is as below:

In this screen, you should specify the following details:

4.2.2.1 Specifying the Networks

- The Name of the Clearing Network. This will uniquely identify the network in Oracle FLEXCUBE.
- A brief description of the network
- Clearing currency of the network
- Clearing system ID code
- Clearing Network BIC

4.2.2.2 Specifying the Handoff Directory

- The Incoming and Outgoing Handoff directories. Incoming and Outgoing transactions will be handed off to the respective directories that you indicate in this screen.
- IBAN validation for the Counterparty Account Number is required for outgoing payments and incoming collections using the clearing network.
- Indicate whether the processing bank is an indirect participant of the clearing network. If yes, then the counterparty account will be replaced with the currency correspondent account.

4.2.2.3 Specifying the RTGS

The following RTGS network details should be specified:

Network Type

Select the network type. This can be RTGS or Non-RTGS. By default, system selects Non-RTGS.

New COV Format Required

Check this box to indicate that the cover message needs to be sent in the new format. If you select this option, CUST_RTGS_COV message will be sent which will follow the same format as 202COV.

For more details on new cover message formats, refer the settlements user manual.

Network Qualifier

If the network type is RTGS, indicate whether the network is TARGET 2 system. To enable the system to perform TARGET -2 specific validations during contract input and message generation, select TARGET-2 from the network qualifier drop down list.

You can either choose 'TARGET 2' or 'Others' as the network qualifier. The default value is 'Others'.



This field is enabled only if the network type is chosen as 'RTGS'.

TARGET-2 is a RTGS clearing system for high value Euro payments. All the participants in the current National RTGS system automatically become members of TARGET-2.

Following are the units of TARGET-2:

- Direct TARGET-2 participant
- Indirect TARGET-2 participant

If payment is done from direct TARGET-2 participant to another direct TARGET-2, the account of the sender will be debited and that of receiver is credited.

If payments are sent from a direct TARGET-2 participant to a direct TARGET-1 participant, an interlinking account is used.

Swift Type

Select the swift type from the drop down list. The drop down list contains the options 'FIN' and 'FIN Y- Copy'.

Network Service Identifier

The service identifier that is specified here will be displayed in Field 113 of Block 3 header in the RTGS message.



This will be enabled if network type chosen is 'RTGS'.

4.2.2.4 Specifying the Incoming Transactions

Branch Code

Specify the code for the branch that is participating in the incoming account process.

Incoming Currency Code

If you select the currency code, all the accounts associated with the chosen currency code will be displayed in the option list provided in the adjacent field.

Incoming Account

In case of incoming transactions received over the network, the account that you indicate here will be debited by default.

Description

In case of TARGET 2 clearing network, the default incoming account will be the primary nostro account with the central bank that should be debited while processing an incoming TARGET 2 payment.

4.2.2.5 Specifying the Outgoing Transactions

Branch Code

For all outgoing transactions sent over the network you are maintaining, you can specify the default account that should be credited.

Outgoing Currency code

If you select the currency code, all the accounts associated with the chosen currency code will be displayed in the option list provided in the adjacent field.

Outgoing Account

In case of outgoing transactions received over the network, the account that you indicate here will be credited by default.

Description

In case of TARGET 2 clearing network, the default incoming account will be the primary nostro account with the central bank that should be credited while processing an outgoing TARGET 2 payment.



You are not allowed to maintain the same default incoming or outgoing accounts for different networks.

4.2.2.6 Specifying Dispatch Accounting Parameters

To consolidate the accounting entries such that the Clearing Nostro GL is netted to post single debit and credit entries for each file that is dispatched, you will need to identify the Clearing Nostro account through the Dispatch Accounting Parameters section in the 'Clearing Network' screen.

Branch

Select the appropriate branch code and the currency code from the corresponding option lists available.

Nostro Account

You can maintain different clearing Nostro accounts for the above combination of branch and currency.

Outgoing and Incoming Transaction Code

After you identify the nostro account to which the consolidated entry will be passed for all Dispatch entries you have to select separate transactions codes against which all the incoming and outgoing transactions are to be tracked. The BIC codes for the clearing network will be derived using the Nostro Account so maintained.

Example

The consolidation of entries to be passed to the Clearing Nostro Account as part of Dispatch Accounting for each Dispatch File is based on the Debit / Credit Indicator and Counterparty Value Date in the contract details.

For an outgoing payment product, you have maintained the Counterparty Value Days as 1 and the Customer Value Days as zero. The other transaction parameters are as follows:

Booking Date: 22nd August 2003

Activation Date: 22nd August 2003.

Entry days for both customer leg and counterparty leg is 22nd August 2003

Dispatch Date =22nd August 2003

Therefore,

Customer Value Date = 22nd August 2003

Counterparty Value Date =23rd August 2003

The consolidation entries would be posted as follows:

Event	Accounting Role	Debit / Credit Indicator	Value Date
DRLQ	Customer	Debit	22-Aug-2003
CRLQ	Counterparty/Clearing Suspense	Credit	23-Aug-2003

Dispatch Accounting

Event	Accounting Role	Debit / Credit Indicator	Value Date
DCLG	Clearing Suspense	Debit	23-Aug-2003
DCLG	Nostro	Credit	23-Aug-2003

4.2.2.7 Specifying the UDF Details

Click 'Fields' button to provide values for the UDFs associated with the screen.

4.3 Maintaining National Clearing Codes

As part of maintaining reference information for the different banks with which your bank transacts in various countries, you can maintain the National Clearing Codes for each of them. These codes are identifiers for local banks in the clearing network, similar to, but distinct from, the Bank Identifier Codes (BIC).

When you enter or upload a funds transfer transaction, you can specify the National Clearing Codes for banks that form part of the settlement route, which correspond to fields 56, 57 and 58 in a SWIFT message – the Intermediary Institution, Account with Institution and the Beneficiary Institution.

You maintain National Clearing Codes as follows:

1. Maintaining network details for each clearing network, of which the local banks form a part
2. Maintaining the National Clearing Codes for the individual banks (or branches) in a network

4.3.1 **Maintaining Network Details**

You can maintain details of clearing networks, of which local banks and their branches form a part.

For each network, you maintain the following details:

- A unique identifier for the network
- The prefix to be used for the network code
- A first party field
- A description for the network
- The unique mask or format that will be used for the clearing codes of banks that form part of the network
- The local currency for the network

You can invoke the 'Clearing Network Maintenance' screen by typing 'ISDNMNT' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

Fields	
Input By	ELIZA2
Date Time	
Modification Number	
Open	<input checked="" type="checkbox"/>
Authorized By	
Date Time	
Authorized	<input type="checkbox"/>

Network Code and Description

The network code uniquely identifies the network. The Clearing Code information for each of the banks that form part of the clearing network will contain the network code.

Network Prefix

Specify a prefix for the network code. For instance, //CH.

Clearing Code Mask

A unique Clearing Code identifies each individual bank that forms part of the network. Each network has a unique mask or format to which the clearing codes of individual banks must conform. You can specify a mask comprising a maximum of 35 alphanumeric characters. Here, you have to define the minimum number of digits in lower case 'n' and the variable digits in upper case 'N'.

In Oracle FLEXCUBE, you can maintain variable length clearing code. However, this is supported only for numeric clearing codes.

Currency

For each network, specify the applicable local currency.

First Party Field

If you check this flag, the network code can appear only once in the MT103, MT103+, MT102, MT102+ MT202 messages of the payment instruction.

4.3.2 Maintaining Clearing Codes for Individual Banks

You can maintain the Clearing Code details for individual banks (or branches) in a network, in the 'Clearing Code Maintenance' screen.

You can invoke the 'Clearing Code Maintenance' screen by typing 'ISDCTMNT' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

Clearing Code Maintenance -- Web Page Dialog

Clearing Code Details

Network Code * _____
Description _____
Country _____
Description _____
Clearing Code * _____
Customer Number _____
Description _____
Bank Name _____
Address 1 _____
Address 2 _____
Address 3 _____
Address 4 _____
Own Clearing Code _____
Bank Identification Code _____
BIC Code Description _____
Clearing Code Indicator YES ▾

Fields

Input By _____ Date Time _____ Modification Number _____ Open
Authorized By _____ Date Time _____ Authorized

Exit

The Clearing Code details comprise the following:

- The clearing network of which the bank forms a part
- The nationality of the bank, i.e., the country in which the bank operates
- The name, description and address of the bank
- The bank's own clearing code, if any
- The customer number for the clearing code
- The BIC for the bank

Network Code

The individual bank is part of a clearing network, for which you have maintained details in Oracle FLEXCUBE. Specify the code of the clearing network, of which the bank (or branch) forms a part.

Country

Specify the country in which the bank operates.

Clearing code

The National Clearing Code that has been assigned to the bank, in the clearing network you have specified, must be indicated.

Customer Number

This is a number used to identify the customer. The swift upload process in Oracle FLEXCUBE will check if the customer number is a clearing code. In case the customer number is a clearing code, Oracle FLEXCUBE will check if this is a bank's customer and based on that, will fetch the customer's account number.

Bank Name, Description, Address

Specify the name, description and address of the bank.

Own clearing code

Each individual bank in a clearing network could have two different, distinct clearing codes:

- The National Clearing Code
- The bank's own clearing code

The National Clearing Code is the identifier for the bank as a clearing agent in a settlement route for any transaction, in the network. However, when the bank is the beneficiary institution as well as the receiver of funds in the settlement route for a transaction, within the network, the National Clearing Code is not used, but the bank's own clearing code is used.

Example

For Global Services Bank (GSB), Paris, the National Clearing Code used when the bank just acts only as a clearing agent in the settlement route, is (20-00-00). However, when GSB is the beneficiary of the funds, the local clearing code used is (20-32-53). This is the bank's 'own clearing code'. In both cases, the SWIFT BIC used for the bank would be the same.

Bank Identification Code

As part of the clearing codes details for a bank, you must also specify the SWIFT BIC code that corresponds to the bank. The system uses this association between the BIC Code and the Clearing Code to convert BIC Codes to local clearing codes.

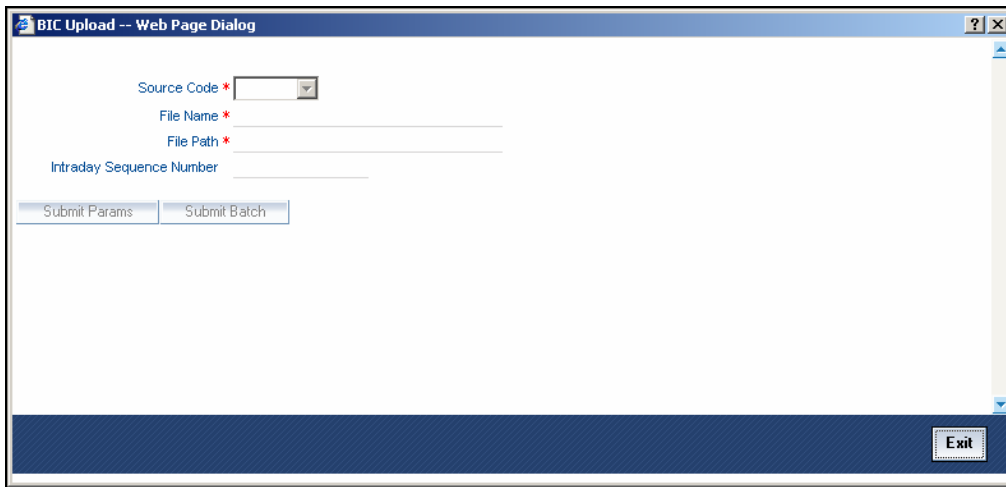
Clearing Code Indicator

Here, you need to specify whether the network code is in clearing or not. Select 'Yes' or 'No' from the drop-down list as required.

4.3.3 Uploading Clearing Codes

You can upload clearing codes from the BIC Plus directory to Oracle FLEXCUBE through the 'BIC Upload' screen.

You can invoke the 'BIC Upload' screen by typing 'ISDBICPU' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.



In the BIC Upload screen, specify the source code from which you want to upload details. Select an appropriate source code from the adjoining drop-down list by clicking the adjoining arrow. Specify the file name as well as the file path in the respective fields and click 'Submit Params' button.

If you select BICPLUSREF as the source code, all records with the following modification tags will be populated in the upload table:

- D – Delete
- A – Add

- W – Move
- M – Modify
- U - Update

The following fields in the clearing code table will be populated from the BIC PLUS Directory table.

- Clearing Network
- Country
- Clearing Code
- Bank Name
- Address 1
- Address 2
- Address 3
- BIC Code
- Modification
- Upload status



Note the following:

- For a record with the modification option U, if there is no existing record in the Oracle FLEXCUBE clearing code table, then the same is inserted. If the record exists, the data is updated with the one in BIC upload.
- For a record with the modification option M, if there is no existing record in the Oracle FLEXCUBE clearing code table, then the same is inserted. If the record exists, the data is updated with the one in BIC upload.
- For a record with the modification options A and W, if there is an existing record in the Oracle FLEXCUBE clearing code table, then an error is logged and the upload continues.
- For a record with the modification option D, if there is no existing record in the Oracle FLEXCUBE clearing code table, then an error is logged and the upload continues.
- On upload the national ID for all bank codes and the default network code for those countries are populated in the clearing upload tables.

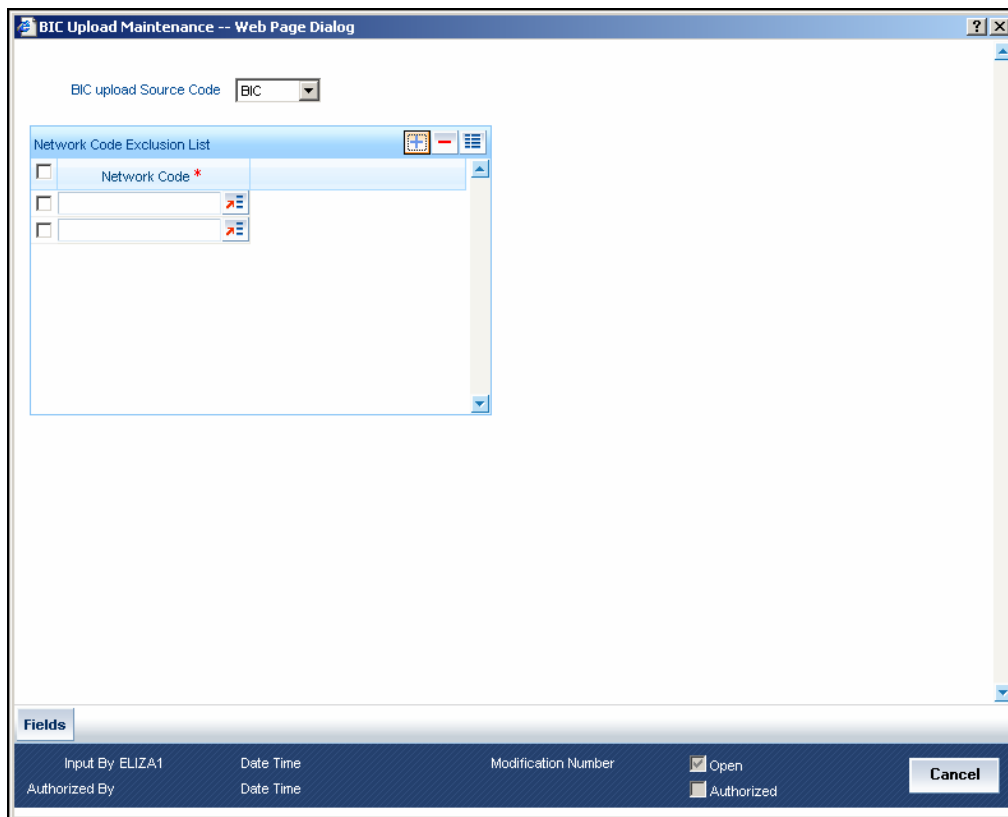
The sequence of upload is based on the modification option and follows the order given below:

- Deletion
- Modification
- Addition

4.3.4 Maintaining Clearing Code Exclusion List

Oracle FLEXCUBE allows you to maintain a list of clearing codes that should not be uploaded during the clearing code upload. You can specify this list in the 'BIC Upload Maintenance' screen.

You can invoke the 'BIC Upload Maintenance' screen by typing 'ISDBICUM' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.



Here you can capture the following details:

BIC upload Source file

You can select the BIC upload source file as BICPLUS or BIC from the adjoining drop-down list, through the BIC upload Maintenance screen.

Network Code exclusion List

You can specify a list of Network codes for which the clearing codes need not be uploaded during clearing code upload operation. This BICPLUS upload file will be invoked during clearing code upload into the directory.

4.4 Blacklisted BIC Codes

Your bank may wish to avoid dealing with blacklisted entities, in a funds transfer settlement. Entities are identified by their SWIFT BIC Codes.

If the entity for which you are specifying the BIC code is a blacklisted entity, you can indicate the same in the BIC Code Details screen, by selecting the 'Blacklisted' checkbox.

If the BIC code of a blacklisted entity is specified as part of the party information in a funds transfer settlement, Oracle FLEXCUBE prompts you for an override before you can save the transaction.

For details about how funds transfer transactions with blacklisted BIC codes are processed, refer the chapter 'Processing a Funds Transfer', in this user manual.

4.5 **Maintaining RTGS Directory**

You can maintain the details of the Real Time Gross Settlement (RTGS) directory in the 'RTGS Directory Structure' screen.

You can invoke the 'RTGS Directory Maintenance' screen by typing 'ISDRTGSD' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

The screenshot shows a web page dialog titled "RTGS Directory Maintenance -- Web Page Dialog". The dialog contains the following fields and controls:

- Network *
- Sender Bank Identification Code *
- Addressee *
- Account Holder *
- Institution Name *
- City Heading *
- National Clearing Code *
- Valid From Date *
- Valid Till Date
- Main Bank Identification Code Flag

At the bottom of the dialog, there is a "Fields" section with the following labels and buttons:

- Input By
- Authorized By
- Date Time
- Date Time
- Modification Number
- Open
- Authorized
- Exit

Network

Select the relevant Network ID from the available option list. The option list defaults only those networks which are maintained as RTGS type Network type in the clearing networks Maintenance.

Sender Bank Identification Code

Specify the BIC assigned to the participant from the option list. A participant can be a 'Direct Participant' or an 'Indirect Participant'.

For more details on Direct and Indirect participant refer 'Maintaining Information specific to the Payments and Collections Module' chapter in the Payments and Collections user manual.

Addressee

Specify the BIC of the addressee, i.e., the receiver of the payment message.

Account Holder

Specify the BIC of the settlement bank.

Institution Name

Specify the institution where the participant's account is to be credited with the amount of the funds transfer.

City Heading

Specify the city where the institution is sited.

National Clearing Code

Enter the national clearing code to be used in case the system is not able to resolve the TARGET-2 participant based on the bank code.

TARGET-2 is a high value Euro Payment clearing system.

For more information on TARGET-2, refer to the Maintaining Information specific to the Payments and Collections Module chapter in the Payments and Collections user manual.

Valid From Date

Specify the date from which the clearing code is valid. The application date is defaulted here. You can change this, if required.

Valid Till Date

Specify the date up to which the clearing code is valid. If you do not specify the valid till date, then it will be set to 31-12-9999.

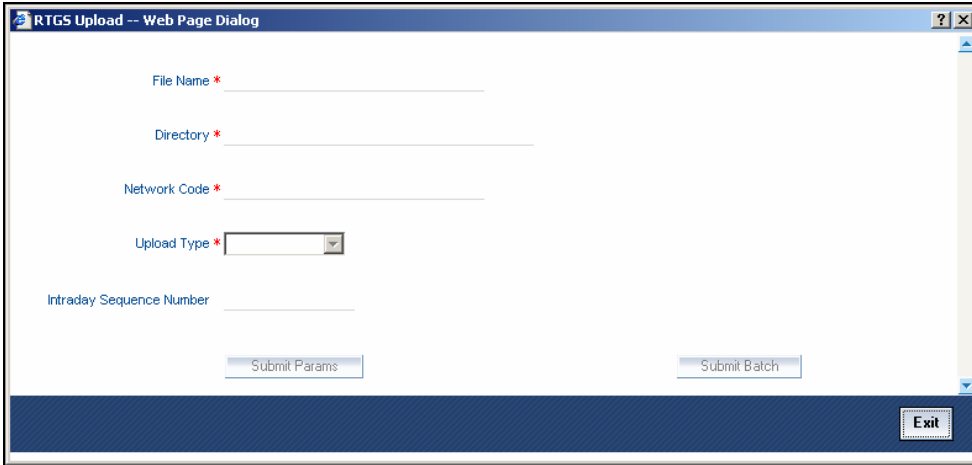
Main Bank Identification Code Flag

Main BIC Flag is used to resolve 8 characters BIC. Check this option to indicate that the main BIC must be used if the bank code is incomplete.

4.5.1 RTGS Directory Upload

Upload the updated TARGET directory into Oracle FLEXCUBE. The files are fixed length ASCII format files. You can trigger the upload by using the RTGS Directory Upload screen.

You can invoke the 'RTGS Upload' screen by typing 'ISDRTGSU' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.



You can specify the following details in this screen.

File name

Specify the name of the upload filename.

Directory

Specify the directory i.e., the file path or area in your system where the ASCII files are to be stored.

Network Code

Specify the network from which the upload is being triggered from the option list. The list contains all the RTGS networks defined in the 'PC Clearing Network' screen whose network qualifiers are TARGET2.

Intraday Sequence Number

Specify the sequence number for the upload. In case you have multiple uploads on the same day, this number may be used as the identifier of each upload.

Upload Type

Select the type of the upload required from the adjoining drop-down list. This list displays the following values:

- Full Refresh
- Current

The format of the file is as below:

SI. No.	Field Name	Data type	Values	Remarks
1	BIC	Varchar2(11)		Participant's BIC
2	Addressee	Varchar2(11)		BIC to be used in header
3	Account Holder	VARCHAR2(11)		BIC identifying the settlement bank
4	Institution Name	VARCHAR2(105)		Participant's company name
5	City Heading	VARCHAR2(35)		
6	National Sorting Code	VARCHAR2(15)		
7	Main BIC Flag	VARCHAR2(1)	'Y' OR 'N'	
8		VARCHAR2(1)		A:added M:modified D:deleted U:unchanged
9	Valid From	Date	'YYYYMMDD'	
10	Valid Till	Date	'YYYYMMDD'	
11	Reserve	VARCHAR2 (25)		

The following actions will be performed based on the type of change:

Added

A new record will be created. If the record already exists then the latest details will be updated in this.

Modified

A new record will be created. If the record already exists then the latest details will be updated in this.

Unchanged

A new record will be created. If the record already exists then the latest details will be updated in this.

Deleted

An existing record will be marked as closed. If the record doesn't exist then it will be ignored.

If the BICs present in RTGS directory is not present in the RTGS upload file they will be closed once the upload is over. This will happen when upload type chosen is 'Full Refresh'.

4.6 Maintaining Branch Parameters for Funds Transfer

You can use the 'Funds Transfer - Branch Parameters' screen for maintaining parameters related to Funds transfer. These parameters can be maintained for each branch of your bank.

You can invoke the 'Funds Transfer Branch Parameters' screen by also entering 'FTDBRMNT' in the field at the top right corner of the Application toolbar and clicking the adjoining arrow button.

The screenshot shows a web-based form for maintaining branch parameters. The form includes the following elements:

- Branch Code ***: A required text input field.
- Branch Description**: A text input field.
- Multi Customer Transfer**: A section with three checkboxes:
 - Multi Customer Transfer
 - Multi Bank Transfer
 - Generate 102+
- Consolidation Suspense General Ledger**: A section with two text input fields:
 - Incoming General Ledger
 - Outgoing General Ledger
- Footer/Action Area**: Contains fields for 'Input By', 'Authorized By', 'Date Time', and 'Modification number', along with checkboxes for 'Open' and 'Authorized', and an 'Exit' button.

The following fields can be specified in the above screen.

Branch Code

Specify the Branch Code for which the Funds Transfer parameters are being maintained.

Multi Customer Transfer

Check this box to indicate that multiple customer transfer messages - MT102 – can be processed for the transactions entered in the branch. By default this check box will be un-selected, in which case MT102 message will not be processed.

Multi Bank Transfer

Check this box to indicate that multiple Bank/Financial institution transfer messages - MT203 - can be processed for the transactions entered in the branch. The valid values allowed are 'Y' and 'N'. By default this check box will be un-selected, in which case MT203 message will not be processed.

Generate MT102+

Check this box to indicate that MT102+ messages can be processed for the transactions entered in the branch. By default this check box will be un-selected, in which case MT102+ message will not be processed.

To process an MT 102+ message, select both **Generate MT102+** and **Multi Customer Transfer** check boxes.

Incoming General Ledger

Specify the Bridge GL for the incoming MT102 and 102+.

Outgoing General Ledger:

Specify the Bridge GL for outgoing MT102 and 102+.



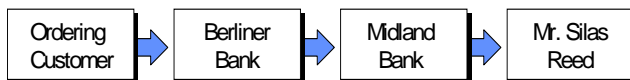
You must specify both incoming and outgoing GLs if 'Multi Customer Transfer' or 'Multi Bank Transfer' is selected.

5. Processing Funds Transfer

5.1 Introduction

A Funds Transfer (FT) contract is a transaction whereby funds are moved from the account of one party (called the remitter) to another party (called the beneficiary). Such movement of funds may involve a sequence of events, but is treated as one contract.

For example, if a customer of Berliner Bank, instructs them to pay Pounds Sterling to Midland bank, London into the account of Mr. Silas Reed. The sequence of the events that will follow, to effect the transfer can be considered an FT contract.



An FT Contract would therefore require information on:

- Who is the remitter?
- What is the transfer amount and currency?
- Is it a cross currency transfer?
- Are any intermediate banks involved in the transfer?
- What route should the transfer follow before it actually reaches the beneficiary?
- When is it to be settled?
- Details of the beneficiary (name, account number etc.)
- The mode of reimbursement
- The method of transfer
- The type of transfer (incoming, outgoing or internal)

Under each Product that you have defined, you can enter specific FTs based on the needs of your customer. Each of these will constitute a contract. While products are general and serve to classify or categorize funds transfers, contracts are customer specific and represent the actual funds transfers that you are involved in. The attributes that you define for a product will be inherited by all contracts linked to the product. While some of these attributes (for instance the exchange rate) inherited from a product can be changed when a contract is entered involving the product, there are some attributes (such as accounting treatment) that cannot be changed when the contract is entered.

5.2 Entering Details of Funds Transfer

Through the screens that follow in this section you can initiate all the three major types of FT's (incoming, outgoing and internal).

You can choose to enter the details of a transfer either by:

- Selecting a template that has been created earlier - If you do so, the details that have been stored in the template will be displayed. You can change the values in any of the fields except the Product Code.
- Copying contract details from an existing contract and changing only the details that are different for the contract you are entering.
- Using your keyboard or the option lists that are available at the various fields to enter the details of an FT afresh.

To enter the details of a contract, you need to just enter a product code and a few details about the beneficiary and the remitter. Depending on the product code that you select, many of the fields will be defaulted. You can over write some of these defaults to suit the FT that you are processing. The procedure for saving a contract as a template is discussed under the head 'About Templates'.

5.3 Specifying FT Contract Details

You can invoke the 'FT Contract Details' screen by typing 'FTDCNON' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

Enter valid inputs into all the mandatory fields, or you will not be able to save the contract. After you have entered all the details of a funds transfer, save the contract. To save a contract, Select 'Save' from the Actions menu in the Application tool bar or click save icon.

5.4 Description of FT Contract Details Screen

The FT Contract Detailed screen as it appears, contains a header and a footer containing fields that are specific to the contract you are entering. Besides these, you will also notice four tabs and a vertical array of icons, along the lines of which you can enter details of a transfer. Contract details are grouped into various screens according to the similarities they share.

Product

This is the product that is involved in the contract you are entering. Enter the code of an authorized product defined through the Product definition table. Select the product code of the product to which you want the contract to be linked. The contract will inherit all the attributes of the product you have selected.

To facilitate fast input, you need to input the product code. Click 'P' button placed next to the Product Code field. The system displays the details of primary keys. Depending on the product code, the system defaults the values against many fields.

The default values will be displayed in the screens that correspond to the four tabs on the 'Funds Transfer Contract Input' screen.

Product Description

Based on the product you have chosen, the system displays the description of the product.

Reference Number

As you click 'P' button, the system generates the reference number sequentially. This number tag is used to identify the FT contract you are entering, it is also used in all the accounting entries and transactions related to this contract. Hence the system generates a unique number for each contract.

The contract reference number is a combination of a three-character branch code, a four-character product code, a five-digit Julian Date and a four-digit serial number. The Julian Date has the following format:

“YYDDD”

Here, YY stands for the last two digits of the year and DDD for the number of day (s) that has/have elapsed in the year.

Example

January 31, 1998 translates into the Julian date: 98031. Similarly, February 5, 1998 becomes 98036 in the Julian format. Here, 036 is arrived at by adding the number of days elapsed in January with those elapsed in February (31+5 = 36).

User Reference

Enter a reference number for the contract. The contract will be identified by this number in addition to the 'Contract Reference No' generated by the system. This number should be unique and cannot be used to identify any other contract. By default, the Contract Reference No. generated by the system will be taken as the User Reference No.

Source Code

The system displays the source code of the source from which the FT contract was uploaded.

Source Reference

This is the reference number of the source from which the FT contract was uploaded.

Message Reference

This is a unique message identification number that will be used to identify an incoming message coming from an external system. This is defined as the ICN number. On upload of an incoming message into Oracle FLEXCUBE, this number, given by the external system, will be stored in Oracle FLEXCUBE and passed on to the contract generated as a result of the incoming message. If the incoming message results in an outgoing message, the ICN number will be linked to the outgoing message also.

This number will help you in creating a relationship between the incoming message, the resultant contract in Oracle FLEXCUBE, and the outgoing message, if any.

For instance, if an incoming MT103 results in an FT transaction, then ICN number of the incoming MT103 will be linked to the FT contract generated due to the upload of the incoming payment message.

If an Incoming message results in an outgoing contract (outgoing message), Oracle FLEXCUBE will store the External reference number (ICN Number) at the following levels.

- Incoming Message Level
- Contract Level (Resulted due to the Incoming message)
- Outgoing message (As a result of the above contract)

The external reference number will also double up as the related reference number in Field 21 of the bank transfer message or MT 202. In the Funds Transfer Contract Details screen, this field will be enabled for Bank Transfer Type product. The value will be validated for '/' at the start, '/' at the end or '/' in the value.

The following tags under MT 202 message will support a clearing code 'PL':

- 52A, 52D
- 56A, 56D
- 57A, 57D
- 58A, 58D

The details of these messages will be stored in data store and will be used during message validation.



This field should not have '/' at the start or end or '/' in the value.

5.4.1 Body of Screen

The FT Contract Screen is designed to contain four tabs along the lines of which you can enter details of the contract. The four tabs are:

Main	Click this tab to enter vital details of a contract. This screen, along with its fields, has been detailed under the head Processing a Funds Transfer.
Other Details	Click this tab to set the preferences and specify other details. The details of this tab have been explained under the head 'Capturing Other Details'.
Settlement Details	Click this tab to specify the details pertaining to regulatory reporting and envelope. You can specify the details on this screen if you have checked the option 'Remit Messages' in 'Product Preferences' screen.
Settlement Route	Click this tab to view a screen which depicts the route that a transfer will take before it actually reaches the ultimate beneficiary. The details of this screen have been detailed under the head Viewing the settlement route of a transfer.

On the contract detailed screen you will notice a vertical toolbar. The buttons on this toolbar enable you to invoke a number of functions that are vital to the processing of a transfer. These buttons have been briefly enlisted below.

Settlement	Click this button to invoke the Settlement screens. A transfer is settled based on the settlement details that you specify. This has been discussed in the Settlements manual.
MIS	Click this icon to define MIS details for the transfer
Charges	<p>This button invokes the Charges, Commissions and Fees (ICCF) service. On invoking this function you will be presented with a screen where the ICCF rate, amount, currency, waive charge Y/N parameter can be specified.</p> <p>In the Charges and Fees manual you will find the entire procedure for maintaining charge rules. It also deals with the linking of a charge scheme to a product and the application of the scheme on a transfer.</p>
Events	Click this button to view details of the events in the life cycle of the transfer you are processing.
Tax	<p>This button invokes the Tax services. On invoking this function you can define the tax scheme that is applicable to the transfer.</p> <p>The Processing Tax manual details the entire procedure of maintaining tax rules and schemes. It also deals with the linking of a tax scheme to a product and the application of the scheme on a transfer.</p>
Advices	Click on this button to suppress or prioritize the advices that are to be generated for a contract. The details of the advices screen have been detailed under the head Specifying advices for a transfer.
Fields	Click on this icon to invoke the User Defined Fields screen.
Charge Claim	Click this button to specify details for the generation of a Charge Claim Advice (MT 191).
Message Generation	Click on this button to generate the messages for the contract.
Change Log	If a contract has more than one version, you can use this screen to identify the details that have been changed.
Customer Cover Details	Click this button to specify or view all details related to the new COV format of customer cover.
Walkin Customer	Click this button to specify details relating to walk-in customers.

After you have made the required mandatory entries and saved the record, your User ID will be displayed at the bottom of the screen. The date and time at which you save the contract will be displayed in the Date Time field.

A user bearing a different User ID should authorize a contract that you have entered before the EOD is run. Once the contract is authorized the Id of the user who authorized the contract will be displayed. The status of the contract will be marked as Authorized.

Click 'Exit' button to exit the screen. You will return to the Application Browser.

5.5 Processing Funds Transfer

While defining a product, you have defined a broad outline that will be applicable to all transfers involving it. While processing a transfer, you need to enter information that is specific to the transfer. This information is captured through the Funds Transfer Contract Input – Main screen. From the Funds Transfer Contract Input screen, click the tab titled Main to define important contract details.

The entries that you make to the various fields on this screen depend on whether the funds involved in the contract are incoming, outgoing, or internal. Oracle FLEXCUBE performs AML verifications for all FT transactions. The following details are matched against the suspicious entity database for AML check:

- Ultimate Beneficiary Details
- Customer name and address

The information that is captured through the FT Contract Main screen has been detailed below.

5.5.1 Specifying Details for Debit Leg of Transfer

Debit Currency

Specify the currency of the remitter's account. You can choose a valid currency code from the list of values that is available.

If you do not specify the debit currency, the currency of the account entered in the Remitter Account field will be taken as the debit currency for the transfer. However, if you indicate only the GL of the remitter account and not the account itself in the account field, input into the currency field becomes mandatory.

Debit Amount

In this field, enter the amount that is being transferred. This amount is taken to be in the same currency indicated in the previous field. In the case of incoming transfers, this will be the transfer amount indicated in the event definition by the amount tags TFR_AMT. In the case of outgoing transfers, the amount that you enter here will be corresponding to the amount tag AMT_EQUIV, since in an outgoing transfer the actual transfer amount is the amount that is being transferred to the Beneficiary.

Debit Branch

If the account of the remitter is in a branch different from your branch, enter the code of that branch. Choose a branch code from the adjoining option list.

This field will be defaulted with the branch code of your bank.



If you have specified an account that uses an account class that is restricted for the product, an override is sought.

Debit Account

Specify the account number of the remitter i.e., the account to be debited for the transfer amount. The adjoining option list displays a list of account numbers and GLs maintained in the system. Choose the appropriate one.

The system will display the debit account number on specifying debit system account. If system account number is of GL type, then you have to select IAS GL.

If you are processing an incoming transfer, enter the account of the bank from which your bank has received funds (typically this will be your nostro account in the currency of the transfer). If it is an outgoing transfer, specify the account of the Ordering customer (the ordering customer of your bank). If the remitter is your bank itself, you can specify just the GL of the account. The appropriate account will be picked up by the system, in the currency of the transfer (the currency you specified in the currency field).

Debit Value Date

This is the date on which the debit leg of the funds transfer becomes effective, i.e., the value date with which the remitter's account is debited. This date must be earlier than or same as the credit date.

If you do not enter a debit value date, the system defaults the system date (today's date).

The generation time of an outgoing transfer effected directly in the FT module, through settlements of any other module or on account of a straight through process should be checked against the cut-off time defined for the currency involved in the transfer.

If the system time at the time of message generation for Outgoing transfers is beyond the cut-off time, the value date of the transfer is amended according to the number of days to be added.

Debit Spread

The system displays the number of spread days maintained in the 'Value Date Spread Detailed' screen for a customer, product and currency.

Debit Spread Date

The system displays the debit spread date for product, customer and currency in this field. It is derived after adding the spread days to the debit value date maintained in 'Value Date Spread Details' screen.

Debit System Account No

Specify the 20-digit system account number. The adjoining option list displays a list of system account numbers maintained in the system. Choose the appropriate one.

5.5.2 Specifying Details for Credit Leg of Transfer

Credit Currency

Specify the currency in which the beneficiary is to be credited. If you do not enter a credit currency, the currency of the account entered in the 'Credit Account' field will be defaulted.

It is mandatory for you to enter a credit currency if you have indicated a GL as the credit account. You can choose a valid currency from the list of values available for this field.

Credit Amount

Indicate the amount that is to be credited to the beneficiary account. If you are effecting an outgoing cross currency transfer, you need to only enter the credit amount; the other component of the transfer, that is, the debit amount will be derived based on the exchange rate that you specify.

In the case of incoming transfers, the amount that you enter in this field will correspond to the amount tag AMT_EQUIV (the equivalent amount in the remitter's account currency), while in the case of outgoing transfers, the amount that you enter here will be corresponding to the amount tag TFR_AMT (representing the actual amount that is being remitted).

Credit Branch

Enter the branch to which you are crediting funds (i.e.) the branch into which you are crediting the transfer amount, on behalf of the Ultimate beneficiary. You can select a valid branch code from the adjoining option list.



If you have specified an account that uses an account class that is restricted for the product, an override is sought.

Credit Account

This is the account that will be credited with the transfer amount. For an outgoing transfer it refers to the next bank in the chain (typically your nostro in that currency), for the movement of funds. Depending on the settlement route the funds will in turn be transferred to the next bank in the chain before the ultimate beneficiary is paid. For an incoming transfer this will be ultimate beneficiary's account in your bank. Specify the account number of the nostro account. The adjoining option list displays a list of nostro account numbers maintained in the system. Choose the appropriate one.

The system will display the credit account number on specifying credit system account. If system account number is of GL type, then you have to select IAS GL.

Credit Value Date

This is the value date with which the Beneficiary's account is to be credited. The credit value date is in reality the value date (transaction date) of the transfer. This date must be later than or equal to the debit date.

The system defaults the value date as explained below:

- For incoming and internal transfers the default is the system date
- For outgoing transfers the default date is the system date + spot days as defined in the currency table in the Core Services module of Oracle FLEXCUBE.

Transfer Type	Remitter	Beneficiary
Internal Transfer	For an internal transfer, it is mandatory for you to enter details of remitter of the funds. The remitter in this case can be a customer or a bank.	For an internal transfer, it is mandatory for you to enter details of beneficiary of the funds. The beneficiary of an internal transfer can be a customer or a bank.
Incoming Transfer	For an incoming transfer the remitter of the funds is always a bank. Once the debit leg currency is chosen the system will default the nostro account maintained in that	The beneficiary in the case of an incoming transfer can be either a bank or a customer.

Transfer Type	Remitter	Beneficiary
	currency as the debit account.	
Outgoing Customer Transfer	For outgoing transfers, it is mandatory for you to enter details of remitter of the funds. The remitter in this case is almost always a customer. However if you input a bank as the remitter of such a transfer, then the system will seek an override. If you input a GL as the remitter, then it is mandatory for you to enter the details of the Ultimate beneficiary.	If it is a Nostro, then it is mandatory for you to enter the details of the Ultimate beneficiary. The system automatically default s the nostro maintained in that currency in the credit account field once you enter the credit leg currency.
Outgoing Bank Transfer	If you are entering an outgoing bank transfer, input into this field is mandatory. In the case of Outgoing Bank Transfers, the remitter can be either a bank or a GL. If you enter a GL in this field then input into the 'By Order Of' field becomes mandatory.	In this case the beneficiary must be a bank or a Managers Check Payable.
Outgoing Own A/C Transfer	In case of Outgoing Own A/C transfer, the remitter account has to be a 'Nostro' Account. It is also mandatory to maintain the mapping of this Nostro account with the external account.	The beneficiary account also needs to be a Nostro account but with a different Bank than that of the remitter

Credit Spread

The system displays the number of spread days maintained for a customer, product and currency as specified in the 'Value Date Spread Detailed' screen.

Credit Spread Date

The system displays the credit spread date for product, customer and currency in this field. It is derived after adding the spread days to the credit value date maintained in 'Value Date Spread Details' screen.

IBAN for the debit and credit accounts

The IBAN or International Bank Account Number is a unique account number that is used to identify a customer's account in a financial institution internationally.

International Bank Account Numbers in your bank are generated in the format of the account mask that you specify in the IBAN Masks section of the Branch Parameters.

You may need to provide the IBAN for the debit and credit accounts involved in a funds transfer transaction.

Debit IBAN

In this field, indicate the IBAN corresponding to the debit account that you have entered for the transaction.

Credit IBAN

In this field, indicate the IBAN corresponding to the credit account that you have entered for the transaction.

Credit System Account No

Specify the 20-digit system account number. The adjoining option list displays a list of system account numbers maintained in the system. Choose the appropriate one.

5.5.2.1 Specifying Exchange Rate Details

The System ascertains the CIF ID based on the debit (for outgoing customer transfers) or credit account (for incoming customer transfers) that you specify. This, along with your specification of the Currency Pair and the Value Date for the transaction, enables the System to automatically assign the exchange rate that is to be used for the FT deal, if currency conversion is involved.

The Exchange Rate applicable for the transaction = Base Rate +/- Customer Spread (depending on whether it is a Buy or a Sell).

The Base Rate is derived from the Mid Rate and the Buy/Sell Spreads that you maintain for the currency pair in the exchange rate maintenance table. The system displays the rate type based on the specifications defined in the product to which the contract is linked.

Similarly, the spread that you have maintained for the specified Counterparty, Currency Pair and Tenor combination in the Customer Spread Maintenance screen is picked up and applied for the customer involved in the deal. The tenor for an FT contract is zero (0) – therefore, you need to maintain Customer Spread for zero tenor in the Customer Spread Maintenance screen.



If spread details for a specific counterparty (for the currency pair) are unavailable, the System looks for the customer spread maintained for the wildcard ALL entry. If even that is not available, then the Customer Spread defaults to zero.

The method of spread definition – whether percentage or points – as well as the spread code are displayed based on the specifications defined for the product to which the contract is linked.

5.5.3 Specifying Party Details

Click 'Party Details' tab to invoke the following screen.

Here you can enter the following details:

5.5.3.1 Capturing Remittance Information

You can specify the sender to receiver information of the transfer by selecting the appropriate value from the adjoining option list. The details that you enter will be populated in field 70 of the payment message MT 103. The following values are available in the option list:

- //
- /INV/
- /IPI/
- /RFB/
- /ROC/
- /TSU/ - The code placed between slashes (/) must be followed by the invoice number, a slash (/) and the amount paid.

5.5.3.2 Specifying Name and Address of Ordering Customer (By Order Of)

Indicate the name and address of the ordering customer or institution of the transfer in the field 'By Order Of'. Input into this field depends on the type of transfer that has been initiated. You can also choose the BIC of the customer from the adjoining option list that displays all the BIC maintained in Oracle FLEXCUBE. The details that you enter will be used to determine the settlement route of the transfer and in the SWIFT messages that are generated for the transfer.

This field corresponds to field 50 in the MT 103/MT 103+ message that will be generated for the customer transfer. Here you can specify up to 4 lines (each of 35 characters) indicating the ordering customer's name and address or BIC. The details in this field will be defaulted automatically once you enter the debit account in the case of an outgoing transfer. For instance, the IBAN of the customer will be fetched from customer account and defaults the same as the first line of Ordering Customer. Note that for an outgoing MT102, MT103, MT103+ and MT210 the first line should have number 1 present for option F. The customer's name will be defaulted in the second line and the address on the third.

Country

Specify the country of the ordering customer/institution. This adjoining option list displays all valid country codes maintained in the system. You can choose the appropriate one.

5.5.3.3 Specifying Account with Institution

Indicate the institution where the beneficiary's account is to be credited with the amount of the funds transfer. This is known as the account with institution. This field corresponds to Field 57 of the payment message.

Country

Specify the country of the beneficiary's account with institution. This adjoining option list displays all valid country codes maintained in the system. You can choose the appropriate one.

5.5.3.4 Specifying Details of Ultimate Beneficiary of Transfer

Indicate the name and address of the ultimate beneficiary of the transfer. The ultimate beneficiary can be a customer or institution depending on the type of transfer that you have initiated.


For incoming or internal transfers, you can select the ultimate beneficiary from the option list. If you have maintained settlement instructions for the ultimate beneficiary the transfer will be routed through the default settlement route. This field corresponds to Field 59 of the customer transfer messages (MT 103/103+) and field 58 in case of a bank transfer. When you choose the credit account (in the case of an incoming transfer) the details of the ultimate beneficiary (like IBAN) will be defaulted automatically by the system. While saving the contract, System will Validate Ultimate beneficiary (59) for a valid IBAN account number. IBAN validation will be done in the below cases for both Ordering Customer and Ultimate beneficiary. The system will consider the IBAN valid only if:

- The first character is '/'
- The second and third characters represent a valid country code

- Both Sender's and receiver's countries should be for Mandatory IBAN Check

Country

Specify the country of the ultimate beneficiary. This adjoining option list displays all valid country codes maintained in the system. You can choose the appropriate one.

 The country information is captured to enable Mantas to analyze the transactions for possible money laundering activities.

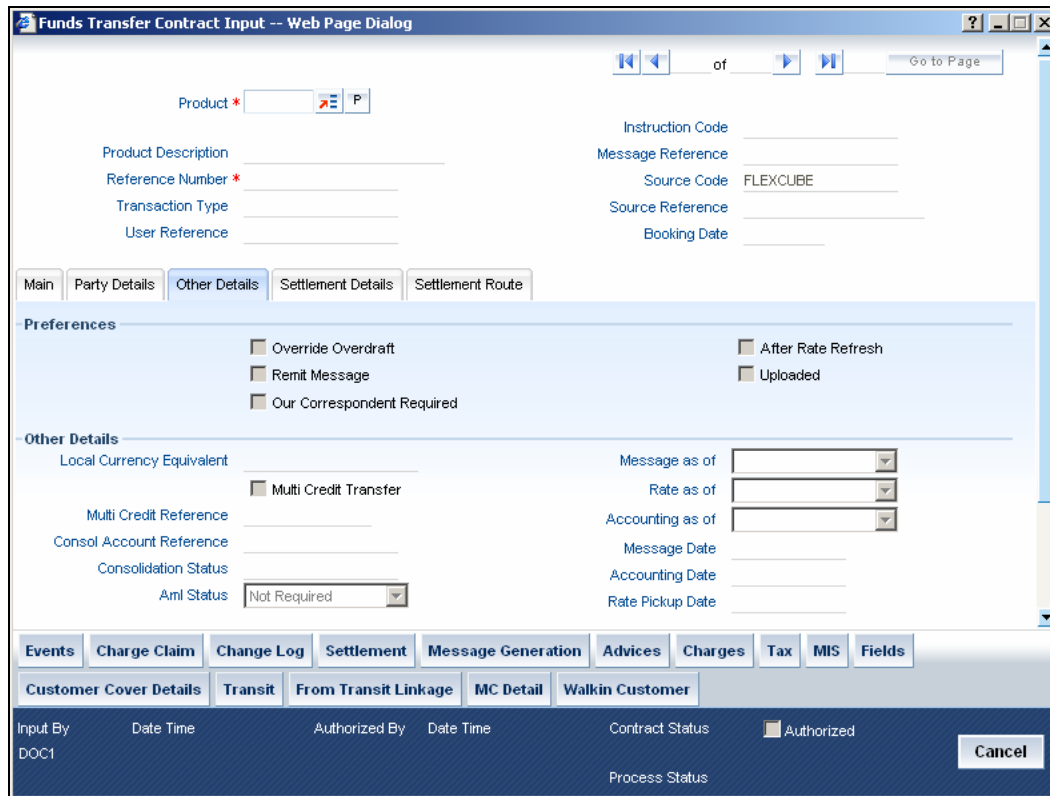
For more details on Mantas, refer 'Mantas' interface document.

5.5.3.5 Receiver

Indicate the name of the receiver or receiving institution that receives the message regarding the transfer of funds, if it is different from the Account with Institution.

5.5.4 Capturing Other Details

Capture more information with regard to the product from 'Funds Contract Transfer Input – Other Details' screen. From the 'Funds Transfer Contract Input' screen, click the tab titled 'Other Details' to invoke the following screen.



The screenshot displays the 'Funds Transfer Contract Input -- Web Page Dialog' window. The 'Other Details' tab is active, showing various input fields and options. The 'Product' field is marked with a red asterisk. The 'Reference Number' field is also marked with a red asterisk. The 'Source Code' field is pre-filled with 'FLEXCUBE'. The 'Aml Status' dropdown is set to 'Not Required'. The 'Preferences' section includes checkboxes for 'Override Overdraft', 'Remit Message', 'Our Correspondent Required', 'After Rate Refresh', and 'Uploaded'. The 'Other Details' section includes fields for 'Local Currency Equivalent', 'Multi Credit Reference', 'Consol Account Reference', 'Consolidation Status', 'Aml Status', 'Message as of', 'Rate as of', 'Accounting as of', 'Message Date', 'Accounting Date', and 'Rate Pickup Date'. At the bottom, there are tabs for 'Events', 'Charge Claim', 'Change Log', 'Settlement', 'Message Generation', 'Advices', 'Charges', 'Tax', 'MIS', and 'Fields', along with a 'Cancel' button.

5.5.4.1 Indicating Preferences

Oracle FLEXCUBE allows you to indicate your preferences. You can check the boxes corresponding to the following fields as required.

Override Overdraft

The Override Overdraft field is applicable to future dated contracts. This field is defaulted based on the specifications you made in the Process overdraft for Autobook field on the product preference screen.

The Autobook function automatically liquidates future dated funds transfer contracts. There could be a situation where a customer requests you transfer an amount that actually exceeds the balance in his account. In this field you can specify whether such future dated contracts, can be processed when it is picked up by the autobook function, despite the overdraft. If you check against this field the system will allow overdrawing and process such contracts.

Otherwise the auto book function will skip the contract with an error message. You can view all the contracts that are not processed by the Autobook function because of the overdraft in the FT Exception Report.

Remit Message

This is defaulted from the product level. If you wish to send the envelope contents, you need to check this box.

The following validations will be carried out in Oracle FLEXCUBE if the 'Remit Message' box is checked:

- The Sender and Receiver are Remit members
- Envelope contents are mandatory
- If the 'Remit Message' box is checked, the value of the Transfer Type will be 'CUST_TRANSFER'
- An override message is displayed if payment details are maintained

The remit message will be displayed in the message in Block 119 as 119:REMIT.

Our Correspondent Required

If the transfer is routed through a correspondent bank, you can indicate so, by selecting this option.

Uploaded

If the contract has been uploaded from the Oracle FLEXCUBE FT gateway interface then the field marked Uploaded will be automatically checked to indicate that the contract has come from an external system. For details, refer the section 'Specifying upload details' in this chapter.

After Rate Refresh

To recall, you have specified the exchange rates to be used and indicated when they are to be applied to the components of the transfer. You have the option to indicate that the rates should be picked up only after the rates have been refreshed and authorized for the day.

Check against this field to indicate that the standard rate as of as of a future date can be applied to the transfer only after the rates have been refreshed and authorized for the day. Leave it unchecked to indicate otherwise.

If you have checked against this field, the exchange rate is picked up by the same method mentioned for the standard rate, except that the rate as of booking, spot or value is picked up only after the rate refresh has been completed and has been authorized.

When you run the Rate Update function, all contracts that require a rate update will be displayed. It is from this screen that you can allow the refreshed rates to be applied to the components of the transfer.

Refer to the chapter titled Automatic Processes for details of the rate update function.

5.5.4.2 Specifying Other Details

Enabling Multi Credit transfer

You cannot enable or disable the Multi Credit Transfer option. It is defaulted from the product/branch level and cannot be changed by you at the contract level. This option will be enabled for 'Multi. Customer Transfer' and 'Multi Financial Institution Transfer' type of payments only and will not be enabled for other normal products.

Consol Account Reference

The consol account reference number is system-generated. This number is the reference that facilitates consolidation of the various transfers of a customer, based on the grouping criteria. It facilitates passing Consolidated Accounting entry to the Beneficiary Account/Settlement Account.

The following items are checked for consolidating transfers across the system:

- Product Code
- Settlement Account
- Receiver
- Currency
- Credit Value Date
- Bank Operation code
- Sender Correspondent
- Receiver Correspondent – Line1 to 5
- Sender to Receiver Info (Tag 72) – Line1 to 6
- Message Date
- Multi Credit Ref. No

- Consol Account Reference

All transactions that have identical above-mentioned fields/items are validated and consolidation happens if intermediary party [tag 56] is not mentioned in any of the transaction.

The systems checks whether the beneficiary of the message is MT102/ MT203 enabled and also if 'Multi Credit Transfer' flag is enabled at the BIC level. If the field is not enabled, the system will generate an error message.

Multi Credit Reference

You can assign a Multi Credit Reference number to a specific contract by clicking the option list to choose from the list of Multi Credit Reference Numbers that are pending closure. During contract save, the system validates the above-mentioned fields with existing contracts and if the current transfer/transaction is identical to an existing contract it is pooled together with the existing contract and it also assumes the same 'Consol Account Reference' number as the existing one. [Only Consolidation Pool pending closure, will be considered] In case the above fields are not identical or if the number of contracts in the Pool exceeds 10, the system generates a new 'Consol Account Reference'. In case you do not specify any 'Multi Credit Ref No' the system would generate a 'Consol Account Reference' for the first time.



Processed Consolidation Pools will not be considered for matching.

If grouping is done by the system, based on grouping criteria then "Multi Credit Ref No" would be **NULL** and 'Consol Account Reference' would be used to consolidate accounting entries. In case you are doing the consolidation by yourself, the "Multi Credit Ref No" would be the Reference Number given by you and 'Consol Account Reference' would be used to consolidate Accounting Entries.

All Multi Financial Institution Transfer contracts would have Messaging, Accounting and Rate as of booking date only. The 'After Rate Refresh' field will not be enabled for such contracts.

Amendment of Contract will be allowed only if Message has not been generated. If any of the above mentioned fields used for grouping are changed, the contract would be tracked against a different consolidation pool depending on the new values.

Payment Messages will not be generated during the contract authorization. Message generation happens after the individual queue is closed.

If you close a Consolidation Record by means of the Close Button or the Close option from the menu, the consolidation record is liquidated, MT203 is created and consolidated accounting entries are posted. Generation of MT 203 also generates a consolidated cover Message. One cover per MT203 is sent along with the consolidated amount.

Consolidation Status

The system indicates whether the consolidated contracts for a given multi credit reference number are pending closure (P) or closed (C).



The Multi transfer message is generated upon the closure of the reference number. However upon the authorization of each individual contract, the corresponding payment messages is in the generated status. But the status of the Suppress Flag is 'Y' for the same. Hence the Job which processes the outgoing message does not process these messages.

MT203 size restrictions

- MT203 will be generated only if there are more than one transaction to consolidate
 - If only one message is consolidated, MT202 is generated.
- Maximum number of transactions for a MT203 is limited to ten i.e. a maximum of ten transactions (FT Contracts) will be allowed to be consolidated in a single pool.
- If multiple pools have been created because of size restrictions, any subsequent amendment, deletion, reversal of contracts in these pools will not result in the re alignment of the pools.

5.5.4.3 Indicating when Settlement Messages should be Generated

Indicate the day or date on which Settlement messages related to the transfer should be generated. You can select an appropriate date from the option list that is available.

The options available are:

- As of Booking date
- As of Spot date
- As of Value date
- As of Debit Value Date
- As of Credit Value Date
- As of Instruction Date

If the transfer you are processing is associated with a product, the message generation specifications you made for the product is defaulted. You can change the values that are defaulted if required.

Message as of Booking Date

If you specify 'Booking Date', settlement messages will be generated as of the date you enter the contract after the contract is authorized.

Message as of Spot Date

For each currency that your bank deals with, you would have also specified a spot date in the Currency Definition Maintenance table of the Core Services module.

If you choose 'Spot Date', messages will be generated spot days depending on the spot date you have maintained for the currency involved in the transfer.

Message as of Value Date

If you specify value date, messages will be generated on the day the transfer becomes effective.

You can enter a value date of your choice. However, it should be one of the following:

- Today's date
- A date in the past
- A date in the future

You can enter a date in the future only if future value dating is allowed for the product to which the transfer is associated. The Value Date (transfer initiation date) should not be earlier than the Start Date or later than the End Date of the product involved in the transfer.

Message as of Debit Value Date

If you choose this option, the messages will be generated, as on the value date, with which the remitter account will be debited, will be used for the transfer. This would be earlier than the credit value date.

Message as of Credit Value Date

If you choose this option, the messages will be generated on the value date with which the beneficiary account will be credited, will be used for the transfer. The credit value date is in reality the value date (transaction date) of the transfer.

Messages can be generated only after the exchange rate for the contract has been fixed. Thus, based on the rate pick up code that you specify, you will have to match the options for message generation.

For normal contracts (as of booking date) messages will be generated only after authorization. In the case of Future Valued transfers messages will be generated as of spot date.

Message Date

This is the actual date on which the messages are to be generated. This date is computed on the basis of the input in the 'Message as of Field' in the 'Contract – Others' screen.

5.5.4.4 Specifying when Accounting Entries must be passed

For the contract, you can specify whether accounting entries must be passed on the date of message generation (if message generation is indicated on booking date) or on the debit value date of the transaction.

If you indicate that accounting entries must be passed on the date of message generation, the entries related to the contract will be passed on the date of message generation. If message generation is indicated on booking date, and you have indicated that accounting entries are to be posted on the debit value date of the transaction, the messages are generated on the booking date, and the accounting is deferred to the debit value date.

The accounting date

When you make your specification in the Accounting As Of field, the system arrives at the date on which accounting entries will be posted, and displays it in the Accounting Date field on the FT Contract Online screen. If you select 'Message Date', the date on which messages are generated is taken as the accounting date. If you select 'Debit Value Date', the debit value date of the transaction is taken as the accounting date.

You can only specify the Accounting As Of date if:

- Message generation is indicated to be on the booking date (the option chosen in the Message As Of field is 'Booking Date'). If message generation is indicated on any date other than the booking date (that is, if the option in the Message As Of field is not 'Booking Date'), the default option in the 'Accounting As Of' field is 'Message Date', (that is, accounting entries will be passed only on the date of message generation), and it cannot be changed.
- If message generation before accounting is allowed for the product used by the contract. If allowed, and if the contract involves a customer for whom the facility of message generation before passing of accounting entries has been set in respect of FT transactions, in the Customer Information Maintenance, the preference is defaulted to the contract, and you can change the default if required.

5.5.4.5 Indicating Date on which Rates should be picked up

You need to specify the date as of when exchange rates should be picked up and applied to the components of a transfer.

If the transfer you are processing is associated to a product, the preferences you stated for the product will be defaulted. You can change the values that are defaulted.

In the case of a contract that is liquidated as of the booking date, the rates will also be picked up as of the booking date.

For future valued transfers, you can specify the rate pick up date as of booking date, value date or spot date. You can select one of the following options:

Rate as of Booking Date

If you specify that the rates should be picked up as of the 'Booking Date', the exchange rates prevailing as of the date you enter the contract is used to compute the components of the transfer.

The spread that you specify for the transfer will be applied to the exchange rates that are picked up.

Rate as of Spot Date

Specify that exchange rates can be picked up as of spot days only for future dated funds transfers.

To recall, for each currency that your bank deals with, you have also specified a spot date in the Currency Definition Maintenance table of the Core Services module.

The spread that you specify for the transfer will be applied to the exchange rates to compute the components of the transfer.

We shall examine an example wherein the 'rate as of' is specified as Spot Date:

A customer of your bank approaches you on 1 March 1998 (the booking date) to initiate a cross currency transfer for US \$ 10,000. Assume the offset currency of the transfer to be INR. Also assume that you had maintained the spot days for USD to be 2 days in the Currency Definition table of the core services module.

The transfer is to be initiated on 5, March, 1998 (the Value Date). It is therefore a future dated transfer.

Booking Date - 01/03/96

Value Date - 05/03/96

Contract Currency - USD

Contract Amount - 1000 \$

Spot Days maintained for USD -2

In this case the exchange rates to be applied to the transfer will be picked up from the currency table on 3, March, 1997, Spot days (2 days) before the Value date of the transfer.

Rate as of Value Date

If you specify 'Value date' then the rates to be used to process the transfer amount will be picked up on the day the transfer is effected. The accounting entries for the contract will be passed as of this date.

Enter a value date of your choice. In which case, it should be one of the following:

- Today's date
- A date in the past
- A date in the future. You can enter a date in the future only if Future Dating has been allowed for the product to which this contract is linked.

The Value Date (transfer initiation date) should not be earlier than the Start Date or later than the End Date of the product involved in the transfer.

Indicating that exchange rates will be 'User Input'

If you do not want to make the standard exchange rates applicable to a transfer you can choose 'User Input' from the option list.

In this case, the exchange rate that you enter in the exchange rate field of the Contract Main screen is picked up to compute the components of the transfer.

Indicating that exchange rates are not applicable

If you are processing a transfer wherein the currency that is remitted is the same, as the currency that is credited, you can indicate that exchange rates are not applicable to the transfer.

Rate as of Instruction Date

If you chose this option, the rate as of the date on which the customer placed his instruction will be taken. This is similar to booking date.

Rate as of Debit Value Date

If you choose this option, the exchange rate as on the value date with which the remitter account will be debited, will be used for the transfer. This may be earlier than the credit value date.

Rate as of Credit Value Date

If you choose this option, the exchange rate as on the value date with which the beneficiary account will be credited, will be used for the transfer.

Rate Pickup Date

This is the actual date on which the rate is picked up. This date is computed based on the input given in the 'Rate as of' field on the 'Contract Other' screen.

Local Currency Equivalent

The system displays the local currency equivalent of the transfer amount.

Indicating the Manager's Check number

This is the identifying number of the Manager's check that you issue for outgoing transfers by check. This number should be unique across contracts and is used as a reference for outgoing transfers.

For transfer types involving a Manager's Check, the beneficiary account field will be defaulted with the Manager's Check payable account defined for the product.



It is mandatory for you to enter a manager's check number if you have checked against Instrument Number Required in the Product Preferences screen. On the other hand, you will not be allowed to make entries into this field, if the Managers check allowed field is unchecked in the FT Product Preference Screen.

Indicating a customer check number

If you are processing an outgoing transfer and need to debit a check into a customer account, you should indicate the identifying number of the check being used in the transfer.

The check number that you enter will have to match number validations in the check book details table maintained in the Current Account and Savings Account (CASA) module of Oracle FLEXCUBE.

Social Security Number

If you are processing a funds transfer on behalf of a customer of your bank, the Social Security Number of the customer involved in the transaction will be defaulted from the CIF Maintenance details screen. However, if you are initiating the funds transfer for a walk-in customer you will have to capture the walk-in customer's SS Number.



Each outgoing customer type of transfer initiated by an individual type of customer can be tracked against the customer's SS number. If the value of debits within a specific customer account exceeds USD 2500, within a seven-day working period the system notifies you of the same with an override message.

Example

Let us assume that on the 24th of September 2001, Mrs. Wendy Klien a customer of your bank initiates an outgoing FT for USD 2000. Since all weekends are considered as holidays at your bank, while processing the transfer all debits against her account for six working days preceding the 24th i.e., up to the 16th September will be tracked against her SS number.

Again, on the 1st of October 2001, she initiates another outgoing transfer, which necessitates a deduction of USD 700 on her account. While processing the transfer the system checks for all debits up to the 21st of September.

An amount of USD 2000 has already been tracked against her SS number on the 24th of September. However, since the current debit exceeds the maximum limit of USD 2500 for a running seven-day working period the transfer will be processed only if you confirm the override.

Rate Reference

Specify the Rate Reference for the currency pair from the option list provided. If you specify the Rate Reference, you will not be allowed to specify Rate Date and Rate Serial.

Rate Date

This is used for picking up the exchange rate for the currency pair involved in the transaction and is applicable only in the case of cross currency transactions

You need to specify the Rate Date for the currency pair. The Rate Date must be less than or equal to the application date. If you specify Rate Date and Rate Serial, you will not be allowed to specify Rate Reference.

Rate Serial

Specify the Rate Serial for the Rate Date you have entered. All the rate serials existing for the selected Rate Date will appear for selection. Select a Rate Serial from the option list provided. If you have specified Rate Date and Rate Serial, you cannot specify Rate Reference.

Validations for the Rate Date, Rate Serial and Rate Reference

You cannot specify Rate Date and Rate Serial and Rate Reference simultaneously. You can specify either Rate Reference or Rate Serial and Rate Date. To choose Rate Reference, select from the option list provided. This list will show all active spot FX contracts for the same currency pair as the FT transaction. The currency pair is determined based on the product type of the FT.

Upon choosing the FX contract, the system will default the Exchange Rate of the FX deal as the Base Rate as well as the Exchange Rate for this FT contract. If the Rate Reference is chosen, then no Spread will be applied to the Exchange Rate. The System will take the Exchange Rate of the FX contract as it is. There will not be any variance validation in this case.

If you specify the Rate Date and Rate Serial, then system will look into the Exchange Rate Maintenance and get the rate for the combination. If the Rate Serial number is not present, the system will throw up an error saying the Rate for the Serial Number does not exist. If the Rate Serial Number and Rate Date are entered, then the base rate will be defaulted with the Rate for this combination. In addition to this, the Customer Spread and Product Spread will be applied and the Exchange Rate will be arrived at.

The Rate Serial will be used only if the transaction amount is less than the limit defined for a currency pair. The Funds Transfer Contract Input will default the Rate only if the transaction amount is less than the maximum amount defined for the Rate Code maintained at the FT product level. If the amount is more than the specified amount, then the system will not default the Rate. Instead, it will force you to enter the Rate. If you enter the Rate, the system will not add the Customer Spread, as this will be the final Exchange Rate for the contract.

The rate variance validation will also be done only if the Transaction Amount is less than the Maximum Amount defined for the Rate Code maintained at the FT product level. If the amount is more than the specified amount, the system will not perform rate variance validation. Instead, there will be an override to specify that the transaction amount is greater than the maximum amount for rate variance check.

5.5.5 Note on Rate Pickup and Message Generation

The Rate pickup and message generation codes that you specify for a transfer need to be combined in a fashion to facilitate the following flow of events:

- Rate pickup
- Message Generation

Accounting entries will be passed and then messages will be generated. All the possible combinations between the rate pickup and the message generation codes have been explored and detailed below.



If message generation has been indicated to occur before accounting is done for a contract, the accounting entries are posted on the Accounting As Of date. This could be either the date of message generation or the debit value date of the transaction, as explained in the earlier section.

Standard rate as of booking date - Message as of Spot Date

If you select this combination:

- The amounts will be converted using the rates available in the currency table (on the booking date). The spread will be applied to the rate, based on the spread code you specify.
- Messages will be generated Spot days before the settlement date.

Rate as of Spot - Message as of Spot

If you choose this combination:

- The contracts with this combination will not be processed in the same manner as a normal contract. The Autobook function (a batch process explained in the chapter 7) run either at EOD or BOD, automatically picks up the exchange rates as of spot days before settlement date and applies this rate to the components of the transfer and also passes accounting entries.
- Messages will also be generated by the autobook function on the spot date.

Rate and Message as of Value Date

If you choose this combination the transfer amount will be converted based on;

- The rates that will be picked up on the value date and
- Messages will be generated on the value date.

Rate as of Booking Date - Message as of Booking Date

If you select this combination, the system converts the transfer and commission amount based on the:

- Rates that are available in the Currency table at the time of contract input
- Messages will be generated after the contract is authorized

Rate as of Spot Date - Message as of Booking Date

In this example the rate date is later than the message date and hence this would not be allowed by the system. The message generation in Oracle FLEXCUBE happens along with the accounting and therefore, the rate pick-up date must be on or before the message generation date.

5.5.6 Limit Amounts for Cross Currency Transactions for Default of Exchange Rates

Typically, the exchange rates applicable for cross currency funds transfer transactions is defaulted by the system depending upon the preference indicated in the product preferences, for the product involving the transaction.

In your bank, for high-value cross currency transactions, you may want the user to manually enter the exchange rate involved, rather than let the system automatically pick up a default rate during transaction input. You can define such a preference to be applicable to cross currency transactions involving:

- a currency pair
- a specific product, or all products
- a specific module, or all modules
- a specific branch, or all branches
- a specific Rate Code

The transaction amount limit, above which the exchange rate must be entered, for a high value transaction, could be defined in terms of any currency pair where the currency of the transaction is currency1 in the CCY pair defined in the maintenance.

To ensure that users manually enter exchange rates for high-value cross currency transactions in Oracle FLEXCUBE, you must specify the limit amounts that must be validated against for each currency pair, product, module and branch combination. You can use the Exchange Rate Limits screen to specify the limits.

When you have specified these limits, the system automatically validates the amount each transaction for the currency pair, product, module and branch combination, and accordingly, if the limits are exceeded, enforces the manual entry of exchange rates.

In case, the limit between ccy1 and ccy2 is given in ccy2, the system will automatically convert the transaction amount to an amount in ccy 2 using standard mid rate and check against the limit amount for manual entry of exchange rates.

5.5.7 How Limits are applied when Transaction is Entered

Whenever a cross currency funds transfer or teller transaction is entered, Oracle FLEXCUBE checks for appropriate limits, in the Exchange Rate Limits Maintenance. If no limits are maintained for the currency, product, module and branch combination, then no limits are applied.

The example given below illustrates how the system identifies the appropriate limit from the Exchange Rate Limit Maintenance.

Example

You have maintained the following amount limits for cross currency teller and funds transfer transactions in your bank, in the Exchange Rate Limit Maintenance:

Number	Branch	Module	Product	currency1	Currency 2	Limit Ccy	Rate Type	Limit amount
1	001	DE	PRD1	USD	GBP	GBP	Standard	25000
2	001	FT	PRD2	USD	INR	USD	Spot	40000
3	ALL	FT	PRD3	GBP	USD	GBP	Forward	20000

For each transaction, the corresponding limit amount to be validated against is derived by checking if a limit has been maintained for the following combination of parameters in sequence:

- Currency pair
- Product
- Module
- Branch

For instance, for a teller transaction involving USD-GBP and product PRD1 in branch 001, the limit amount that will be used for validation is 25000 GBP (corresponding to Number 1 in the table above).

For a funds transfer transaction involving any currency pair and product PRD3, in any branch, the limit applicable would be 20000 GBP (corresponding to Number 3 in the table)

5.5.8 Exchange Rate for Cross Currency Transactions

After the limit applicable for a cross currency transaction has been identified, it is validated in the following manner:

1. The limit amount, which is expressed in the limit currency, is converted to the corresponding amount in currency1, using the standard exchange rate, mid rate for comparison.
2. If the transaction amount falls below the limit amount in currency1, the limit has not been exceeded. In such a case, the exchange rate for the transaction is picked up from the Currency Rates Maintenance for the rate code specified in the preferences of the product involving the transaction, and is defaulted to the transaction.
3. If the transaction amount exceeds the limit amount in currency1, the exchange rate for the transaction is not picked up according to the rate code defined in the product preferences, but will have to be specified by the user entering the transaction. The specified rate is checked to verify that it falls within the variance limits and the stop limit specified for the product.

Example

In the example given above, for a teller transaction involving USD-GBP and product PRD1 in branch 001, the limit amount that will be used for validation is 25000 GBP (corresponding to Number 1 in the table).

If a transaction of 40000 USD is entered, the limit is validated in the following manner:

- The limit amount in limit currency, 25000 GBP, is converted to USD using the standard exchange (mid) rate. If the rate is 1GBP = 1.4USD, the limit amount in currency1 (USD) is 36000 USD.
- Since the transaction amount is 40000 USD, the limit has been exceeded, and the exchange rate for the transaction is not defaulted using the rate code specified in the product preferences, but will have to be specified by the user entering the transaction.

5.5.9 Indicating Charge Bearer

There are obvious costs involved in transferring funds from one location to another. You need to indicate who will actually bear these service charges. You can select an option from the option list that is available. The options available are:

- Remitter — All Charges
- Beneficiary — All Charges
- Remitter — Our Charges

This specification is inherited from the specification involving the product used by the contract. It can be changed for a specific FT only if such a change is allowed in the preferences for the product.

5.5.10 Internal Remarks

You can specify additional information pertaining to the contract here. The details that you specify here can be retrieved later.

5.5.11 Capturing Payment Details

Specify the sender to receiver information of the transfer by selecting the appropriate value from the adjoining option list. The details that you enter will be populated in field 72 of the payment message MT 103.

The following values are available in the option list:

- //
- /INV/
- /IPI/
- /RFB/
- /ROC/

5.5.12 Specifying Upload Details

If the contract has been uploaded from the Oracle FLEXCUBE FT contract upload tables by the FT Upload function then the field marked Uploaded will be automatically checked to indicate that the contract has come from an external system. The code of the source from which the contract was uploaded will be displayed in the Source Code field. Each time contracts are uploaded, the system automatically generates a source reference number. This number will be displayed in the Source Ref Number field.

(Refer to Chapter titled The Batch Upload Function for details on the FT Upload function)

Storing the External System Generated Reference Number

Oracle FLEXCUBE interfaces with the MUREX system, uploading and processing funds transfer contracts from MUREX. A contract uploaded from MUREX can result in one or more contracts in Oracle FLEXCUBE. Therefore, in order to relate the Oracle FLEXCUBE contracts with the corresponding MUREX system generated contract, the source (MUREX) reference number will be stored in field 21 of MT 900 (Dr Advice) and MT 910 (Cr Advice) for handoff to customers.



This feature is only available for contracts uploaded from the MUREX system.

MT940 (detailed account statement) and MT950 (summary statement) will also store the source reference number in field 61 (sub-field 8) for handoff to customers.

5.6 Viewing Settlement Route of Transfer

After entering the details of a transfer click the tab titled Settlement Route from the contract details screen. A screen depicting the route that you have defined for the transfer is displayed. This facility provides you a quick means of verifying the transfer route. If the route of the transfer is incorrect, you can delete or change the contract suitably.

The screenshot shows a web application window titled "Funds Transfer Contract Input -- Web Page Dialog". The window contains a form with various input fields and tabs. The "Settlement Route" tab is selected. The form includes fields for Product, Product Description, Reference Number, Transaction Type, User Reference, Instruction Code, Message Reference, Source Code (set to FLEXCUBE), Source Reference, and Booking Date. Below these are tabs for Main, Party Details, Other Details, Settlement Details, and Settlement Route. The Settlement Route section contains fields for Ordering Customer (Ourselves), Receiver (Account With Institution), Ultimate Beneficiary, and several intermediary fields: (53:)Our Correspondent, (55:)Intermediate Reimbursement Institute, (54:)Receivers Correspondent, and (56:)Intermediary. At the bottom, there is a navigation bar with tabs for Events, Charge Claim, Change Log, Settlement, Message Generation, Advices, Charges, Tax, MIS, and Fields. Below this is another row of tabs: Customer Cover Details, Transit, From Transit Linkage, MC Detail, and Walkin Customer. The footer area includes fields for Input By (DOC1), Date Time, Authorized By, Date Time, Contract Status, Authorized (checkbox), and Process Status, along with a Cancel button.

Based on the type of transfer that you have initiated and on the settlement details that you specify for the transfer, the fields of this screen will be populated. We shall explore all the possible routes that a transfer can take before it reaches the ultimate beneficiary.

Ordering Customer - The name of the ordering customer (the party that has initiated the transfer). This field will be populated only if you have initiated a customer transfer (MT103/103+).

Ourselves - The financial institution or the branch, thereof, initiating the transaction on behalf of itself or its customer.

Our Correspondent - The name of the correspondent bank if the transfer is routed through a correspondent.

Intermediary Reimbursement Institution – The financial institution between the Sender's Correspondent and the Receiver's correspondent, through which the reimbursement of the transfer will take place.

Receiver's Correspondent - The institution that will receive funds on behalf of the receiver is displayed. Hence this field will be populated only for outgoing transfers.

Intermediary - The intermediary between the receiver and the account with institution.

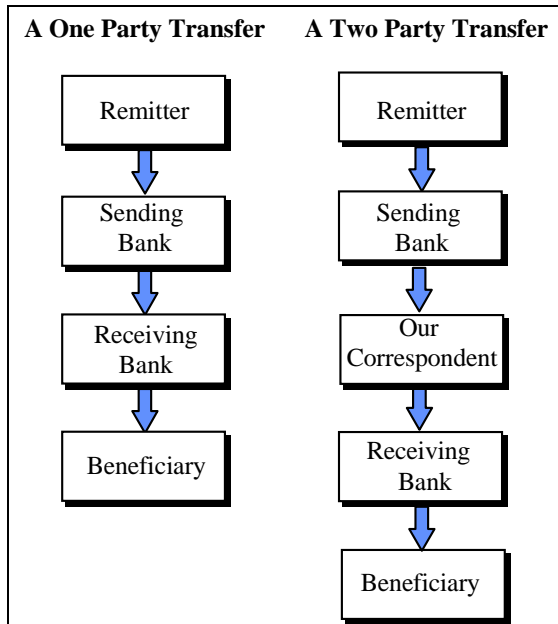
Receiver - This is the receiver of the message.

Account With Institution - The Financial Institution at which the Ordering Party requests the Beneficiary to be paid. This field will not be populated for incoming and internal transfers.

Ultimate Beneficiary - The Ultimate Beneficiary that you specified in the Contract Main screen is defaulted.

If there is one bank between the remitter and the beneficiary then it is a one party transfer. In such a transfer, funds move directly from the bank of the remitter to the bank of the beneficiary.

If a correspondent bank is used to transfer funds from the bank of the remitter to the bank of the beneficiary then it is a two party transfer and so on. This has been illustrated diagrammatically,



The number of banks that are involved in the transfer would depend on the:

- Relationship and arrangements between the sending and receiving banks
- Customer instructions
- Location of parties
- Banking regulations of a country

5.6.1 FT Fields and Information Flow

The fields in the FT input screen that decides the direction and flow of funds and messages are:

- Ordering Customer (“by order of”)
- Remitter (sender)
- Senders Correspondent
- Intermediary Bank
- Receiver’s correspondent
- Account with bank (beneficiary’s bank)
- Ultimate Beneficiary

The following examples illustrate how information flows in various conditions.

An Example of a one party transfer

Girozentrale Uno Bank, Vienna, receives a letter from Wonderdrug Pharmaceuticals ordering them to pay US \$ 40,000 to the National Bank, New York into the account of Silas Reed.

At Girozentrale Uno Bank, the settlement screen will be populated with the following details:

Field name on the Settlement Screen	Entry
Ordering Customer	Wonderdrug Pharmaceuticals
Ourselves	Girozentrale Uno Bank.
Receiver	National Bank, New York.
Ultimate Beneficiary	Mr. Silas Reed.

An Example of a two party transfer

Vanbee Traders orders Banca Commerciale, Naples to pay, value 27 May 1997, and 120,000 Francs into the account of Mr. Silas Reed with Banque Nationale de Paris, Grenoble. Banca Commerciale asks LeanderBank to make the payment which in turn pays through Banque Nationale de Paris, Paris branch.

At LeanderBank the settlement screen will be populated with the following details:

Field name on the Settlement Screen	Entry
Ordering Customer	Vanbee Traders.
Ourselves	Banca Commerciale, Naples.
Our Correspondent	LeanderBank.
Receivers Correspondent	Banque Nationale de Paris, Paris.
Receiver	Banque Nationale de Paris, Grenoble.
Ultimate Beneficiary	Silas Reed.

An Example of a three party transfer

On May 10, 1997, Wendy Klien orders Leander bank Vienna to pay US dollars 20,000 to Silas Reed, whose account is with Algemene Bank Nederland (ABN), Amsterdam. The beneficiary is to be notified by phone. A cover message for the US Dollar payment is provided through Hansen Trust Company, New York to ABN New York.

At Leander the settlement screen will be populated with the following details:

Field name on the Settlement Screen	Entry
Ordering Customer	Wendy Klien
Ourselves	Leander Bank, Vienna
Our Correspondent	Hansen Trust, New York.
Receivers Correspondent	ABN, New York
Receiver	ABN, Amsterdam
Ultimate Beneficiary	Silas Reed.

An Example of a four party transfer:

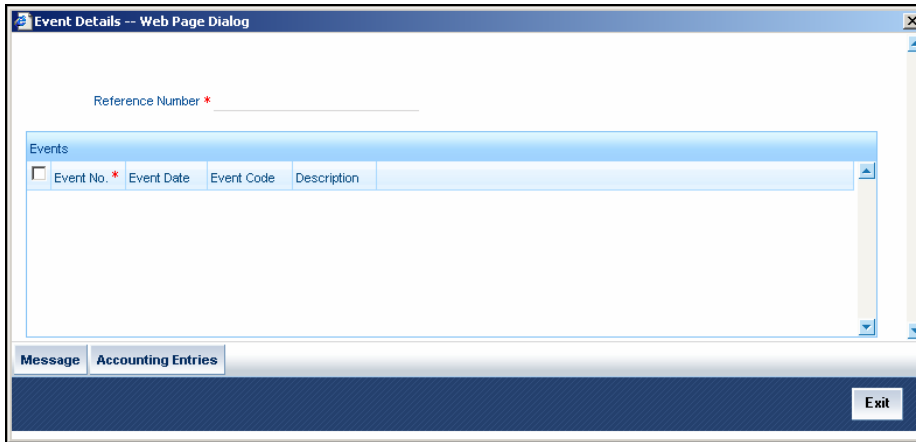
G.A. Imports Naples orders Banca Italiana Milan to pay USD 500000 to BNP bank, Normandy to the account of Silas Reed. Banca Italiana Milan makes the USD payment through its US Correspondent, Banca Italiana, New York. Payment is made to BNP Paris in favor of BNP Normandy through its US correspondent Bank of New York, NY.

At Banca Italiana, Milan the settlement screen will be populated with the following details:

Field name on the Settlement Screen	Entry
Ordering Customer	G.A Imports.
Ourselves	Banca Italiana, Milan.
Our Correspondent	Banca Italiana, NY.
Receivers Correspondent	Bank of New York, NY.
Receiver	BNP, Normandy.
Ultimate Beneficiary	Silas Reed.

5.7 Viewing Details of Transfer Events

Click 'Events' button in the 'FT Contract Detailed View screen to go to the FT Contract View Events screen. In the FT contract view events screen the list of events that have already taken place on a contract along with details of pending events is displayed. The date on which the event took place will also be displayed.



Click 'Account Entries' button to view the accounting entries for the event. Click 'Exit' button to go back to the FT Contract Detailed View screen.

5.7.1 Viewing Accounting Entries that are Passed

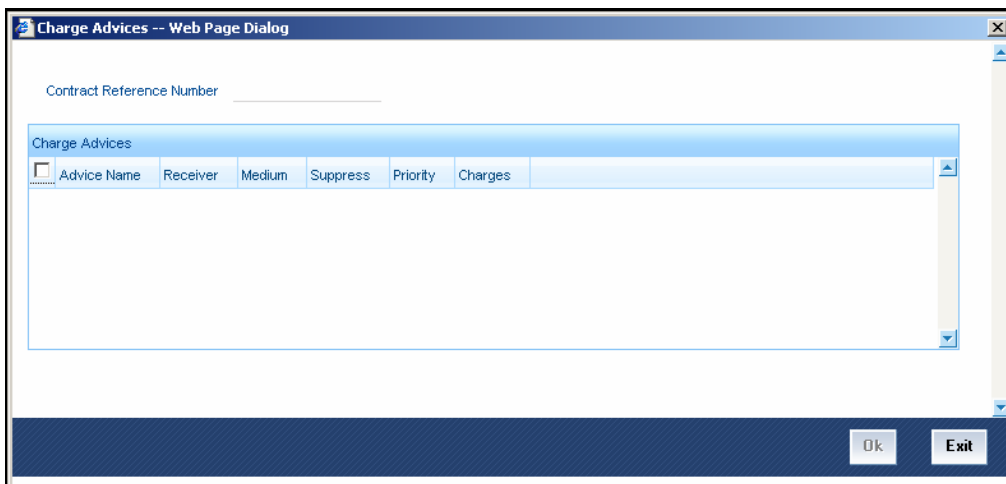
From FT Contract — View Events screen, click 'Accounting Entries' to view the Accounting Entries for the event. You can view the details of the accounting entries that were passed for the event whose details were displayed in the contract -- View Events screen. The accounting entries that are passed depend on the type of transfer that you initiate. The following information is provided for each event:

- Branch
- Account
- Transaction Code
- Booking Date
- Value Date
- Dr/Cr indicator
- Currency
- CCY (Currency)
- Amount in contract CCY
- Amount in local currency

All the overrides that were allowed for an event will also be displayed.

5.8 Specifying Advices for Transfer

From the 'Funds Transfer Contract Details' screen, click 'Advices' button to view the FT Contract Advices screen is displayed. In this screen you can specify the advices that are to be generated for the various events that occur during the lifecycle of a funds transfer.



Suppressing the generation of an advice

By default all the advices defined for the product to which the FT is associated will be applicable to the FT.

As all the messages defaulted from the product may not be applicable to the contract you are processing, you can suppress their generation.

Select a value from the adjoining drop-down list to the relevant message. This list displays the following values:

- **Yes** — to suppress the generation of the message
- **No** — to indicate that the message should be generated

Indicating the priority with which a message should be sent

Specify the priority with which an advice should be generated. By default the priority of all advices is marked as 'Normal'. You can prioritize advices into one of the following:

- Normal
- Medium
- High



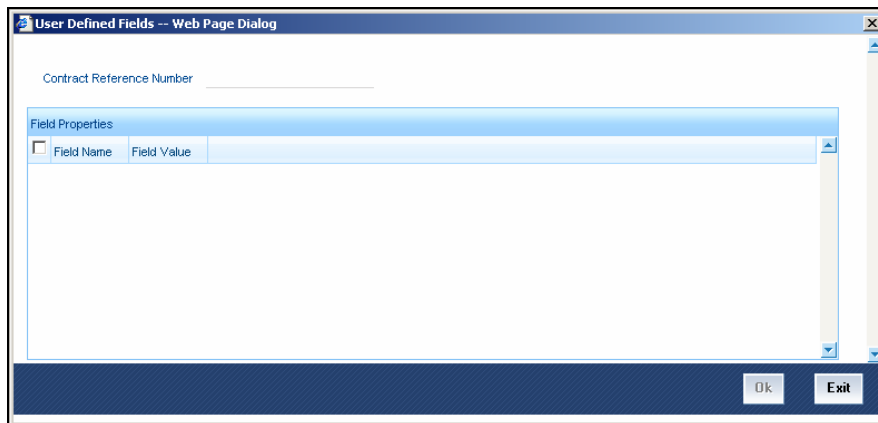
Note the following:

- You can change the priority of a message to Urgent only for Payment Advices.
- The 'Priority' of a message is a field that is available for processing of the message by external systems or interfaces that handle the onward transmission to the Receiver after the generation of the message. Oracle FLEXCUBE itself does not perform any specific processing based on priority of the message.

After you have selected the advices to be generated for the contract, click 'Ok' button to save it. Click 'Exit' button to exit the screen without saving the entries. In either case, you will return to the FT Contract Main screen.

5.9 Selecting User Defined Fields

Click 'Fields' button from the 'Contract Main' screen to invoke the 'User Defined Fields' screen. The list of fields and default values specified for the product to which the transaction is associated is displayed.



Add to the list of fields defaulted from the product but you will not be allowed to remove a field from the defaulted list.

Change the values defaulted from the product to suit the transaction you are processing.

5.10 Generating Charge Claim Advice

For incoming FTs, you can generate a Charge Claim Advice (MT 191). Click 'Charge Claim' button from the Funds Transfer Main screen to specify details for the generation of the message.

The screenshot shows a web page dialog titled "Charge Claim Details -- Web Page Dialog". It contains the following fields and sections:

- Contract Reference Number
- Event Sequence Number
- Charge Reference Number
- Charge Currency * (with a dropdown arrow)
- Amount *
- Charge Details (5 rows of input fields)
- Sender to Receiver Information (5 rows of input fields)
- Account with Institution (5 rows of input fields)
- Ordering Institution (5 rows of input fields)
- Ok button
- Cancel button

Contract Reference Number

The system displays the reference number of the contract in this field.

Event Sequence Number

The system displays the event sequence number. This indicates a number corresponding to the number of events for which the operation has been performed.

Specifying a Charge Reference Number

Enter a reference number to identify the message. The identification should ideally indicate the incoming FT for which it was generated. The User Reference of the FT is defaulted. You can change the reference that is defaulted.

Indicating the Charge amount and currency

Enter the consolidated charge amount that is to be claimed for the FT. The charge amount is expressed in the charge currency that you specify. If all the charge components are in the same currency, the system automatically calculates the charge amount in the charge currency.

If the FT involves several charge components, in different currencies, you should consolidate them and express the charge amount in the collection currency.

Charge Details

The details that you enter in this field are printed on the SWIFT message. Therefore the details that you enter here should conform to SWIFT standards. In this field you can enter specifications of the charges, interest, or other expense(s) associated with the transfer. An MT 191 can contain one or more of the following codes, followed, where relevant, by the currency and amount:

- COMM — Our commission
- INT — Interest related charges
- PHON — Our telephone cost
- TELE — Charges relating to the most appropriate and efficient means of telecommunications available, e.g. S.W.I.F.T., telex, telephone, facsimile, as determined by the party executing the payment instruction.

Sender to Receiver Information

Here you can enter a message that the sender would like to send to the receiver of the message.

Account with Institution

An 'Account With Institution' refers to the financial institution, at which the ordering party requests the Beneficiary to be paid. The Account With Institution may be a branch or affiliate of the Receiver, or of the Intermediary, or of the Beneficiary Institution, or an entirely different financial institution.

This field corresponds to Field 57A of S.W.I.F.T. You can enter one of the following:

- ISO Bank Identifier Code of the bank
- The branch of the Receiver's Correspondent
- Name and address of the Receiver's Correspondent.
- Other identification codes (for example, account number)
- Local Clearing Code of the bank

Ordering Institution

Indicate the ordering institution of the original incoming FT. The 'Ordering Institution' is the financial institution, which is acting on behalf of itself, or a customer, to initiate the transaction. This field corresponds to 52a of S.W.I.F.T.

In this field you can enter one of the following:

- The ISO Bank Identifier Code of the Ordering Institution

- The branch or city of the Ordering Institution
- The Name and address of the Bank
- Local Clearing Code of the bank

5.11 Specifying Customer Cover Details

You can specify the cover details associated with the customer involved in the transfer in 'Customer Transfer Details' screen. To invoke this screen, click 'Customer Cover Details' button in 'Funds Transfer Contract Input' screen. For STP transfers these details are automatically defaulted from the party details captured.

You can input details here only for if the contract is being booked using the product having transfer type as 'Customer Transfer with Cover'. (STP Failure cases).

The screenshot shows a web page dialog titled "Customer Transfer Details -- Web Page Dialog". The dialog contains the following sections and fields:

- Ordering Customer:** Five input fields labeled Ordering Customer 1 through 5.
- Intermediary:** Five input fields labeled Intermediary 1 through 5.
- Ordering Institution:** Five input fields labeled Ordering Institution 1 through 5.
- Account With Institution:** Five input fields labeled Account with Institution 1 through 5.
- Ultimate Beneficiary Details:** Five input fields labeled Ultimate Beneficiary 1 through 5.
- Sender to Receiver Information:** Six input fields labeled Sender to Receiver1 through 6.
- Remittance Information:** Four input fields labeled Remittance Information 1 through 4.
- Other Details:** Three input fields labeled External Reference Number, Currency, and Amount.

At the bottom right of the dialog are "Ok" and "Cancel" buttons.

You can specify the following details in this screen:

Ordering Customer

The Ordering Customer refers to the customer ordering the transfer. Here, you can enter the name and address or the account number of the customer, ordering the transaction. This field corresponds to field 50 of SWIFT. You will be allowed to enter details in this field only if STP has failed or while manually booking the FT contract using the incoming SWIFT message.

Intermediary

The 'Intermediary' in a payment refers to the financial institution between the 'Receiver' and the 'Account With Institution', through which the transfer must pass.

The Intermediary may be a branch or affiliate of the Receiver or the account with Institution, or an entirely different financial institution. This field corresponds to field 56a of a SWIFT message.

You can either enter the:

- ISO Bank Identifier Code of the bank
- The Name and address of the Bank

Ordering Institution

The Ordering Institution is the financial Institution, which is acting on behalf of itself, or a customer, to initiate the transaction. This field corresponds to 52a of SWIFT. In this field, you can enter one of the following:

- The ISO Bank Identifier Code of the Ordering Institution
- The branch or city of the Ordering Institution
- The Name and address of the Bank

Account with Institution

An 'Account with Institution' refers to the financial institution, at which the ordering party requests the Beneficiary to be paid. The Account With Institution may be a branch or affiliate of the Receiver, or of the Intermediary, or of the Beneficiary Institution, or an entirely different financial institution.

This field corresponds to Field 57A of a SWIFT message. You can enter one of the following:

- ISO Bank Identifier Code of the bank
- Branch of the Receiver's Correspondent
- Name and address of the Receiver's Correspondent
- Other identification codes (for example, account number)

Ultimate Beneficiary Details

The Ultimate Beneficiary refers to the customer to whom the amount of the component is to be paid. This field refers to field 59A of SWIFT. You can make entries into this field only if STP has failed or while manually booking the FT contract using the incoming SWIFT message. This would not be applicable for Bank Transfers.

Specify the identification, name and address details of the ultimate beneficiary involved in the transaction.

Sender to Receiver Information

This could be instructions or additional information for the Receiver, Intermediary, Account With Institution or Beneficiary Institution.

This field corresponds to field 72 of the S.W.I.F.T. message. The format of the message depends on the type of S.W.I.F.T. message that is generated. Refer to the S.W.I.F.T. manual for details on the format of the message and the code words to be used.

Remittance Information

Specify the payment details of the FT contract here.

This field corresponds to field 70 of the SWIFT message. This will be populated only for RTGS related messages.

External reference number

Specify the reference number of the customer transfer, received from the originating bank.

This field corresponds to field 21 of the SWIFT message. This is the reference number (Field 21) of the incoming message received.

Currency

Specify the currency associated with the customer transfer.

Amount

Specify the amount associated with the customer transfer.

5.11.1 Creating Transit Linkages for Foreign Currency Transactions

Transactions involving foreign currencies are handled through funds transfer transactions and transit accounts. The funds are initially credited to and later debited from transit accounts. To facilitate these transfers you need to select the required transit account as the debit account in the transaction being currently processed and link the contracts in which the transit account was credited (parent contracts). You can do this by clicking the 'Transit' button in the 'Funds Transfer Contract Input' screen.

The system will default the following details from the transaction being processed:

- Original Contract Ref No – the contract reference number
- Amount – the debit amount
- Value Date – the debit value date
- Currency – the debit currency

You are required to enter the following details:

Parent Contract Ref No

Specify the contract reference number of the contract which you wish to debit. The adjoining option list contains the reference numbers of all the contracts where the transit account (the debit account for the transaction) is the credit account. You can select the appropriate one.

You can link multiple parent contracts for each contract. Based on your selection of the parent contract reference number, the system will default the following values for each parent contract:

- Transit Account No.
- Currency
- Contract Amount

Linked Amount

Enter the amount that wish to link to the parent contract that is the amount you want to debit the parent contract for. While saving the current contract, the system will ensure that the total of the linked amounts is equal to the contract amount. Additionally, in cases where many child contracts are linked to one parent contract, the system checks that the total of all linked amounts is not greater than the outstanding amount for the parent contract.



Note the following:

- If you change the debit account number, currency or amount for the contract being currently processed, you are required to re-visit the linkage screen to ensure that the details entered in the screen are valid.
- When you reverse a parent contract, the system will validate that all the child contracts linked to the parent contract have also been reversed. If a child contract has not been reversed, the reversal will not be allowed. Additionally, the reversal will be done with the original value date only.
- If you reverse or delete a child contract, the outstanding amount for the parent contract is increased to the extent of the linked amount specified.

5.11.2 Viewing Transit Linkages

You can view the child contracts that have been linked to a parent contract on the basis of transit accounts by clicking 'From Transit Linkage' button in the 'Funds Transfer Contract Input' screen.

The screenshot shows a web page dialog titled "From Transit Linkage -- Web Page Dialog". It features several input fields for contract details: Reference Number, Credit Value Date, Credit Currency, Credit Amount, Credit Branch, Credit Account, and Linked Amount. Below these fields is a table titled "Debit Transit Account Linkage" with columns: Linked Reference, Debit Currency, Debit linked amount, Debit Transit Account, Contract Status, and Reference. A "Cancel" button is located at the bottom right of the dialog.

In this screen, the system will display the following values of the contract for which you are viewing details, that is, the parent contract:

- Reference Number
- Credit Currency
- Credit Branch
- Linked Amount
- Credit Value Date
- Credit Amount
- Credit Account

The following details will be displayed by the system for the child contracts that have been linked to the parent contract:

- Linked reference number
- Debit currency
- Debit Linked Amount

- Debit Transit Account
- Contract Status

5.12 Specifying Monetary Control Details

You can specify the monetary control details associated with the payer and beneficiary in the 'Monetary Control Detail' screen. To invoke this screen, click 'MC Detail' button in the 'Funds Transfer Contract Input' screen.

Specify the following details:

Contract Ref No

The system displays the reference number of the contract.

Type

The type of transaction whether incoming or outgoing gets displayed here.

MC Required?

The system indicates whether monetary control needs to be performed or not. If the box is checked, it means that monetary control needs to be performed on the contract. This is a display field and you cannot make changes to it.

Manual Check Required?

The system indicates whether a manual monetary control check needs to be performed or not. If the box is checked, it means that manual check has to be performed on the contract. This is a display field and you cannot make changes to it.

Parties

COR Export?

The system displays whether the contract details of the payer and the beneficiary have to be handed off to the COR system or not. If the corresponding box is checked, it means that handoff is required.

Payer

The system displays the payer details.

Payer Name

The system displays the name of the payer.

Payer Account

The system displays the payer's account that needs to be debited.

Payer Resident Status

Select the resident details of the payer from the drop-down list. Following are the options available in the drop-down list:

- Resident
- Non-resident

Dr Amount

The debit amount is displayed.

Debt Currency

The payer currency is displayed.

Transit A/C

Check this box if you want to consider transit account for debit.

Beneficiary

The system displays the beneficiary details.

Benef Name

The system displays the name of the beneficiary.

Beneficiary Account

The system displays the beneficiary's account that needs to be credited.

Beneficiary Resident Status

Select the resident details of the payer from the drop-down list. Following are the options available in the drop-down list:

- Resident
- Non-resident

Credit Amount

The credit beneficiary amount is displayed.

Credit Currency

The credit beneficiary currency is displayed.

Transit A/C

Check this box if you want to consider transit account for credit.

Contract No

Specify the contract number.

Date of Contract

Specify the date of contract.

MC Attributes

Currency

The transaction currency is displayed.

Amount

The total transaction amount is displayed.

Payment Details

You need to specify details of the payment (outgoing and incoming) as per the following mask:

'Opening brace, then without space VO symbol, then without space five digits from VO code directory, closing brace'.

For foreign currency transactions you can also specify the deal pass number in this mask.

'Opening brace, then without space VO symbol, then without space five digits from VO code directory, then the PS symbol followed by passport deal number, closing brace'.

Example

{VO02010} or {VO11050PS00502001/0001/0000/9/0}.

Operation Code

You can select the operation code corresponding to the transaction from the option list. This list displays all the valid operation codes maintained in the 'Operation Code Maintenance' screen.

Payer/Beneficiary Country Code

Select the country code of the beneficiary from the option list. This list displays all the valid country codes maintained in the 'Country Codes Maintenance' screen.

Special Notes

You can make notes about the contract or the parties in this field. Click on the free format text editor button to invoke a free format text editor on which you can specify your comments. The contents of this field can be viewed by all. The status of the contract does not affect the view access to this screen/field. You can request for changes or even confirm the check for an unauthorized contract.

Value Date

Specify the value date of the contract.

Country node of non-resident bank

Specify the country code of the non resident bank.

Sub Amount Detail

Amount

Specify the amount of the transaction. If you have sub transactions under the contract, you can indicate the transaction amount for the different sub transactions, here. Note that the sum of all the sub transaction amounts should not exceed the transaction amount.

VO Code

You can also modify the VO code in case the automatic check fails because of a wrong VO code. You can select the appropriate VO code from the option list. This list displays all the VO codes maintained in the 'VO Codes Maintenance' screen.

Multiple VO codes can be maintained.

Deal Pass Number

For foreign currency operations, you may need to provide the appropriate deal pass number in the 'Payment Details' field. The system extracts the deal pass number from there and displays it in this field.

Service Code Detail

Amount

Specify the amount of the transaction. If you have sub transactions under the contract, you can indicate the transaction amount for the different sub transactions, here. Note that the sum of all the sub transaction amounts should not exceed the transaction amount.

Service Code

Specify the service code.

TRN of Original Payment

Specify the transaction reference number of the original payment.

Refund Indicator

Specify the refund indicator from the drop-down list. The options are:

- Yes
- No

Manual Check**Accepting/Rejecting Hold Remarks**

Specify the remarks here if the MC contract is rejected.

Status of MC check can be one of the following:

- Confirm
- Reject
- Changes required
- Hold
- Received after cut off

5.13 Specifying Walkin Customer Details

You can specify the details for a walk-in customer using the 'Walkin Customer' screen. You can invoke this screen by clicking 'Walkin Customer' button in the 'Funds Transfer Contract Input' screen.

Specify the following fields:

Contract Ref. No

Specify the contract reference number.

Customer No.

Specify the customer number.

Personal Details

First Name

Specify the customer's first name.

Middle Name

Specify the customer's middle name.

Last Name

Specify the customer's last name.

Date of Birth

Specify the customer's date of birth.

Resident

Check this box if the customer is a resident.

Country Code

Specify the country code. The adjoining option list displays a list of country codes maintained in the system. Choose the appropriate one.

Territory Code

Specify the territory code. The adjoining option list displays a list of territory codes maintained in the system. Choose the appropriate one.

Document Details**Type**

Specify the document type here. The adjoining option list displays a list of document types maintained in the system. Choose the appropriate one.

Series

Specify the document series here.

Number

Specify the document number here

Country Code

Specify the country code here. The adjoining option list displays all country codes maintained in the system. Choose the appropriate one.

Date of Issue

Specify the date of issue of the document.

Expiry Date

Specify the expiry date of the document.

Issuing Authority

Specify the name of the issuing authority.

Primary

Check this box if this document is primary.

5.14 Generation of MT 210 for Funds Transfer Contract

If a nostro account is being debited during the posting of accounting entries in a funds transfer contract, a Notice to Receive message (MT 210) is generated by default, if this preference is indicated in the nostro account profile, in the Customer Account Maintenance screen.

If applicable, the MT 210 message will be generated whenever the nostro account is debited, except in the following circumstances:

- In the case of a funds transfer contract created due to an incoming SWIFT message, in which the Sender BIC is the Nostro Agent.
- When the nostro account is being debited when accounting entries are being passed due to a back valued funds transfer contract, for which the value date is earlier than the system application date of the logged-in branch.
- In the case of a funds transfer contract involving the nostro account, which was created due to an incoming SWIFT payment message that is mapped with a corresponding incoming SWIFT cover message (MT 202)

When you enter a funds transfer contract, with the nostro account as the debit account, the MT 210 specification made for the account is defaulted to the contract. You can change this specification when you are entering the contract. If you do so, the specification made when you enter the contract is considered instead of the specification at the account level. Also, an override is sought if you make any changes to this preference, which must be confirmed when the authorizer of the contract verifies the contract.

You can view this information in the Settlements Screen, in the Payment Message Generation checkbox field.

5.15 Generation of MT900 and 910

Oracle FLEXCUBE generates the confirmation SWIFT messages MT900 and MT910 to be sent to owners of accounts that have been debited or credited due to any transaction. The MT900 is a debit confirmation message, and the MT910, a credit confirmation message. The necessary information in each field of the SWIFT messages is picked up from the contract settlement field information. The SWIFT address of the customer is used for the generation of the debit or credit advices.

Whenever the system receives MT910, the message is verified against field 21 to match whether it can be taken as a cover message for a payment message. In case the system finds a match, the message is taken as a cover message and the payment message is processed. In case a match is not found, the system marks the MT910 for repair.

5.16 Checks for Generation of MT103+ Messages

Upon authorization of an outgoing FT contract, Oracle FLEXCUBE generates the applicable MT103 message in the MT103+ format, if the MT103+ option has been enabled as follows:

- In the Product Preferences for the FT product used by the contract

- In the Branch Parameters for the branch at which the contract has been put through
- In the BIC Code Maintenance for the counterparty of the contract
- In the Currency Definition for the account currency of the contract

The MT103 payment message is generated in MT103+ format if:

- The generation of MT 103+ has been enforced at all the levels mentioned above, as well as if,
- All checks in respect of MT 103+ message generation(mentioned below) are successful during input

If MT 103+ has not been enforced for the branch, currency and BIC code, the MT103 payment message is generated in the original MT103 format, that is, without the code 'STP' in field 119 in the third block of the message.

If MT 103+ has not been enforced for the product, an override is sought, and the following message is displayed:

'103P format not enforced for the product. Do you still want to generate message in 103p?'

If you confirm the override by clicking OK, the MT 103 message is generated in MT 103+ format. If you reject the override by clicking Cancel, the MT 103 message is generated in the original MT 103 format.

Checks for MT103+ format

The following checks are performed by the system for the generation of MT 103 messages in the MT 103+ format:

- Field 23E (Instruction Code) must only contain the codes CORT, INTC, SDVA and REPA
- Field 51A (Sending Institution) is not required
- Fields 52, (Ordering Institution) 54, (Receiver's Correspondent) 55, (Third Reimbursement Institution) 56 (Intermediary Institution) and 57 (Account With Institution) should be in format option A
- Field 53 (Sender's Correspondent) should only be in format option A or B
- If field 53a is in format option B, party identifier must be used
- The sub-field 1 (Account) of either field 59 or 59A (Beneficiary Customer) is always mandatory
- In Field 72 (Sender to Receiver Information), the code INS must be followed by a valid BIC
- In Field 72, the codes ACC, INS, INT, REC, REJT and RETN can be used
- Field 72 must not include ERI information
- Field 77T (Envelope Contents) is not required

In addition to these checks, for outgoing MT103/ MT103+ messages being generated in response to incoming MT103/MT103+ messages, the fields 33B (Currency/Original Ordered Amount) and 36 (Exchange Rate) should have been unchanged through the transaction chain. When such contracts are being uploaded or entered, the instructed amount, instructed currency, and exchange rate are picked up from the contract settlement details during outgoing MT103/MT103+ message generation, and populated in fields 33B and 36.

The following tags in MT 103 message will support a clearing code 'PL':

- 52A, 52D
- 56A, 56C, 56D
- 57A, 57C, 57D

MT 103+ message type will support 52A, 56A and 57A tags:

The details of these messages will be stored in data store and will be used during message validation.

Generation of RTGS Messages

For FIN Y-Copy messages, the system validates whether it is a payment message alone or payment + cover message. If it is a payment message, then the system will generate it as a FIN Y-copy payment message. If it is a payment + cover message, then the cover message alone will be generated as a FIN Y-copy message.

The following message generation logic will be used for FIN Y-copy messages:

- The service identifier gets defaulted from the clearing network maintenance as part of message generation and updated in field 103 of header 3.
- Field 113 in header 3 will be defaulted based on banking priority and sender notification required field.
- The receiver of the message will be changed and defaulted with the Intermediary, (if not present, the Account with Institution (AWI) and if the AWI is not present the receiver itself). This will be applicable only for Pay message. For Pay + cover message, the pay message receiver remains the same, while the cover message receiver will be modified and defaulted with the receivers correspondent.
If the receiver arrived at from the above logic, happens to be an in-direct participant of the RTGS network, then its direct participant would be populated
- If the message is being sent to a TARGET1 participant, then field 52 will get defaulted. TARGET1 participant will be identified if the addressee field in clearing directory matches with TARGET1 ADDRESSEE in system static data maintenance (CSTB_PARAM).
- At the time of message generation for Direct Debits (MT204), if the debit institution is an indirect participant then it will default its direct participant as the receiver. Otherwise, it will default the debit institution itself as the receiver.

Following are the message types for RTGS:

Message	Description	SWIFT Message
CUST_TSFR_RTGS	Used when a Pay message generation is for a corporate and sent through the RTGS Network.	MT103
BANK_TSFR_RTGS	Used when a message belongs to an interbank deal and sent through the RTGS Network.	MT202
DIRDR_RTGS	Used when a direct debit message is sent through the RTGS Network.	MT204
COVER_RTGS	Used when a cover payment is sent through the RTGS Network.	MT202

Checks for Generation of MT201 Messages

- The BIC code of the Debit Account and the BIC code of the Credit Account should be different
- Debit Account currency and Credit Account Currency should be the same.

There should not be multiple account relationship with the AWI in the currency of transfer.

The following are the consolidation criteria's while generating MT201 messages:

- Value Date
- Transaction currency
- Receiver
- Credit Account

5.17 Currency Cut-off Checks for Funds Transfer Transaction

If currency cut-off checks are applicable for the transaction, as specified in the preferences for the product that the transaction involves, they will be performed when you save the transaction.

The value date of the transaction is validated against the cut-off days and cut-off time specified for the product, currency and customer involved in the transaction.

The checks are applied as follows:

1. Oracle FLEXCUBE checks to see if cut-off parameters have been maintained in the Value Dated Spread maintenance for the customer involved in the transaction, the product for the transaction and the currency of the transaction. If so, the parameters maintained for the combination are applied to the transaction.

2. If no cut-off parameters have been maintained in the Value Dated Spread maintenance for the specific customer, product and currency combination, Oracle FLEXCUBE checks to see if cut-off parameters have been maintained for the product and currency, for all customers. If so, the parameters maintained for the combination are applied to the transaction.
3. If no cut-off parameters have been maintained either for the specific customer or all customers, for the product and currency combination, the cut-off parameters maintained in the Currency Definition for the currency involved in the transaction are applied.

If a transaction fails any of the currency cut-off checks, the system displays a warning message informing you of the same.

You can then adopt either of the following courses of action:

- 'Force' the transaction for processing, without changing the value date (this is allowed only for transactions that are uploaded by the STP function)
- Change the value date and save the transaction again

If you force the transaction without changing the value date, an override is given at authorization, to the user that authorizes the transaction. If the override has been configured to be an error, the transaction would be rejected, and an appropriate reason for rejection would be sought from the authorizer. If the override has been configured to be a warning message, the authorizer can authorize the transaction.

If you choose to change the value date, the currency cut-off checks will be performed again, based on the new value date.

5.17.1 Exceptions for Currency Cut-off Checks

The currency cut-off checks, if applicable according to the product preferences, are performed for all transactions involving the product, and the currency, except in the following circumstances:

- If the transaction is a future valued transaction. A future valued transaction is one for which the value date is after the Oracle FLEXCUBE application date, and is arrived at as follows:

Value Date = Oracle FLEXCUBE Application Date + Transfer Currency Spot Days.



If the Currency Cut off Time is exceeded, then, the Value date is arrived at, will be incremented by one working day.

The system marks the status of all such future valued transactions as 'pending release', and defers the currency cut-off checks in respect of them. The checks will subsequently be performed on the value date.

- If both debit and credit accounts involved in the funds transfer transaction are internal GL's.

Future valued transactions can be invoked, authorized and force-released by a user with appropriate rights, other than the one that entered it into the system.

5.18 Funds Transfer Transactions with Blacklisted BIC Codes

If a SWIFT BIC Code identifying a bank or a financial institution has been blacklisted (as specified in the BIC Code Details), an override is sought when a funds transfer transaction is entered which involves any of these blacklisted codes in the party information.

The system checks for blacklisted codes when you specify any of the following parties in a funds transfer settlement:

- Ordering Customer
- Ultimate Beneficiary
- Beneficiary Institution
- Ordering Institution
- Intermediary
- Intermediary Reimbursement Institution
- Receiver's Correspondent
- Account With Institution

If you specify a blacklisted BIC code in the party information, you will be prompted for an override:

- If the override is configured as an error, you will not be able to proceed with entering the transaction, till you have changed your specification and specified a non-blacklisted code.
- If the override is configured as a warning, you will be able to proceed with entering the transaction, but an error is logged into the database, that a blacklisted code has been specified as part of the party information.
- If the sensitivity assigned to the override is 'Ignore', you will be able to proceed with entering the transaction, and no error is logged into the database regarding the blacklisted code.

5.18.1 Authorizing Funds Transfer Transaction with Blacklisted BIC Codes

If a blacklisted code has been specified for a transaction, the authorizer of the transaction can view the same at the time of authorization. All the blacklisted codes specified for the transaction are displayed to the authorizer as part of the transaction details.

At this stage, the authorizer can choose to proceed with the authorization despite the blacklisted codes. If so, an override is sought from the authorizer, and the authorization can only proceed if the sensitivity of the override is configured as 'Warning'. If the override is configured as an 'Error', the authorizer cannot authorize the transaction.

5.18.2 Processing Uploaded Payment Transactions with Blacklisted BIC Codes

At the time of uploading payment transactions through the upload gateway tables, if the STP process encounters transactions involving SWIFT BIC codes (in the fields containing party information) that have been blocked, the system will display an error message.

The STP will check for blocked BIC codes in following fields of a payment transaction that is being uploaded:

- Field 53A
- Field 58A (Beneficiary Institution)
- Field 52A (Ordering Institution)
- Field 56A (Intermediary)
- Field 54A (Receiver's Correspondent)
- Field 57A (Account with Institution)

If the STP process detects a blocked BIC code in any of the above party details, you will be prompted with an override:

- If the override is configured as an error, the STP process will reject the payment transaction that is being uploaded.
- If the override is configured as a warning, the STP will log the error and proceed with the upload process.

5.19 Operations that you can Perform on Contract

You can perform the following operations on a contract:

- Copy a contract
- Amend a contract
- Delete a contract
- Reverse a contract
- Authorize a contract
- Liquidate a contract
- Print the details of a contract
- View contract details
- Place a contract on hold
- Save a contract as a template

Refer to the User Manual on Common Procedures, as well as the section 'Verifying and authorizing a funds transfer transaction', later in this chapter, for details of these operations.

Function	When it is Allowed	Result
Reverse	After authorization	All accounting entries will be deleted. No advices will be generated.
Amend	Only for contracts for which no entries or messages have been passed (future valued)	
Delete	Before authorization	Accounting entries will be deleted. Messages have not yet

Function	When it is Allowed	Result
		been generated so no action is required.
Hold	Before first save; typically done when incomplete details of a contract are filled up and the contract must not be processed.	Contract will be put on HOLD status and will not be processed by any Oracle Flexcube process including EOD processes.
Liquidate	When the contract is in active status (and LIQD event is yet to be triggered); for instance, the second stage of an Incoming FT where funds from DAO GL have to be made available to the Beneficiary Customer	The LIQD event gets triggered and the contract becomes "LIQUIDATED"

5.20 Viewing Different Versions of Contract

When you enter a contract, it is allotted the version number 1. From then on each amendment results in the next version of the contract being created. When you come to the Detailed View screen of a contract, the latest version will be displayed. To navigate between the various versions use the arrows to move to the previous version and to the next version.

5.21 Verifying and Authorizing Funds Transfer Transaction

Every funds transfer transaction that you enter manually must be verified and authorized. Only a user who has appropriate rights can perform the verification and authorization functions. Such a user is called an authorizer. You can invoke the 'Funds Transfer Contract Authorization' screen by typing 'FTDCONAU' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

Before a transaction is authorized, it must be verified. Verification is the process of checking the details of the transaction and ensuring their correctness. If any of the details are incorrect, the transaction could either be amended or rejected by the authorizer. After verification, the transaction can be authorized, or rejected, as is deemed necessary.

You can use the FT Contract Authorization screen to verify and authorize a funds transfer contract that has been entered manually through the FT Contract Online screen.

Confirmed	Override Text	Status	Auth By	Authorization Date	Override Remarks
-----------	---------------	--------	---------	--------------------	------------------

5.21.1 Displaying Transaction to be Authorized

To verify a transaction, you must first display its details in the FT Contract Authorization screen. To do so, you must:

1. Select the Contract Reference Number assigned to the contract by Oracle FLEXCUBE, in the Contract Ref No field
2. Specify the appropriate values for the rekey fields designated in the preferences for the product that the transaction involves

If you key in an incorrect value for any of the rekey fields, you cannot proceed with the verification and authorization process. You will not be able to navigate out of the rekey field for which you specified an incorrect value.

When you have specified the correct values for the rekey fields, the transaction details are displayed in the Contract Authorization screen.

5.21.2 Specifying Details in Rekey Fields

The system displays the default values in the following fields. However, you can modify them.

- Transfer Currency
- Transfer Amount
- Value Date
- Credit Account
- Debit Account
- Reject Reason

Generate Message

You can control the generation of payment messages for events at the contract level by checking or un-checking this option. Check this box to generate payment messages for contracts upon authorization.

5.21.3 Verifying Transaction

After you have displayed the details of the transaction in the FT Contract Authorization screen, you can verify the displayed details to ensure their correctness.

The contract will be displayed in view mode in the 'FT Contract Online' screen if invoked from the authorization screen.

5.21.4 Rejecting Transaction

During verification, if any details are found to be incorrect, you can reject the transaction. You must specify your reasons for rejection, as mandatory information.

If you wish to reject the transaction, click 'Reject' button in the Contract Authorization screen.

A rejected transaction is marked for repair by the system, with the reasons for rejection you have specified. Such a transaction is marked as one that has 'failed verification'.

Any user with appropriate 'amend' or 'delete' rights can retrieve a transaction that has 'failed verification' in the Funds Transfer Summary screen, and make changes to it, or delete it.

Oracle FLEXCUBE maintains an audit log of transactions that are rejected. The following details are stored for each rejected transaction:

- User ID of the authorizer who rejected the transaction
- Date on which the transaction was rejected, with the time stamp
- Reason for rejection

5.21.5 Amending Transaction that has 'failed verification'

To recall, any user with appropriate 'amend' rights can retrieve a transaction that has 'failed verification' in the Funds Transfer Summary screen, and make changes to it.

5.21.6 Deleting Transaction that has 'failed verification'

A user with appropriate 'delete' rights can retrieve a transaction that has 'failed verification' in the Funds Transfer Summary screen, and delete it. Oracle FLEXCUBE records the following details as part of the audit trail when a 'failed verification' transaction is deleted:

- Transaction Reference Number of the deleted transaction
- User ID of the user who deleted the transaction
- Date on which the transaction was deleted, with the time stamp

These details can be found in the SMS Exception Report

5.21.7 Authorizing Verified Transaction

If the details of a transaction are found to be correct in all respects during verification, you can authorize it. Use the 'Authorize' button in the FT Contract Authorization screen to perform the authorization. This is considered to be the final authorization for the transaction.



At any point during the verification and authorization process, you can cancel the entire operation without affecting the status of the transaction. Close the window to cancel the operation.

5.22 Transaction Queues (Transaction Status) Management

The status of a funds transfer transaction (which appears in the right bottom of the FT contract screen) indicates the stage in the processing cycle in which the transaction currently stands. The status also indicates the operations that are possible on a funds transfer transaction with respect to its processing. This is distinct from the 'Contract Status' which can be any of Y, A, L, V or H (standing for yet to be Initiated, Active, Liquidated, Reversed and Hold).

Funds transfer transactions that have been entered manually can be in any of the following (process) statuses:

- Processed (Liquidated)
- Cancelled
- Suppressed
- Funding Exception
- Pending Release
- Pending Authorization
- Failed Verification

- Hold

The table below explains the operations that are possible on a funds transfer transaction when it is in any of the states listed above:

Status	Explanation	Possible Course of Action
Processed	This is the logical end-state of a transaction. All accounting/ messaging has been processed.	None
Cancelled	Contracts that are deleted before authorization will be in this status.	None
Suppressed	Contract which is reversed after authorization will be in this status	None
Funding Exception	When contract processing results in account being debited more than the available balance, the contract will be in this status	Funding exception contract needs to be authorized.
Pending Release	Future valued FT input manually and awaiting payment value date will be in this status.	On the relevant BOD, the contract would get automatically processed.
	No	Leave the message as it is; message gets picked up on the value date
Pending Authorization	Transaction awaiting authorization (after input)	Authorize the transaction
Failed Verification	Contract that has been rejected during the contract verification process.	Amend the contract

To view a summary of funds transfer transactions queues, use the Payment Transactions User Summary screen.

The following details are displayed for each transaction in a queue:

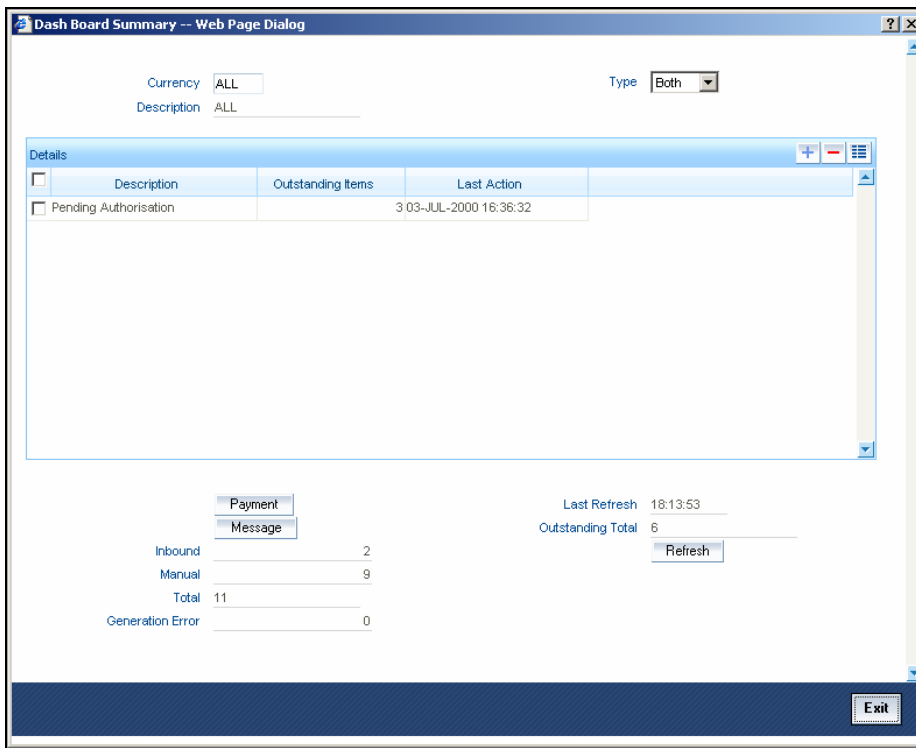
- Contract and Authorization Status
- Contract (Processing status)
- Contract Ref No
- Debit account, currency, value date and amount
- Credit account, currency, value date and amount

5.23 Summary Dash Board for Funds Transfer Transactions

To view a summary of funds transfer transactions that has been sorted according to status queues, you can also use the Dash Board Summary screen. In this screen, the following details are displayed for each type of queue:

- The name of each process queue or status
- The time stamp corresponding to the last action performed for the queue
- Number of Outstanding Items in a Queue
- The Inbound Message Count (this is the number of inbound SWIFT messages received on the application date after the Beginning of Day Run)
- The time when the Summary Dash Board Information was last refreshed

You can invoke the 'Dash Board Summary' screen by typing 'FTDDSHBD' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.



Choosing the transaction currency

Choose to view the transaction queues summary for any transaction currency, or for all currencies.

Choosing the transaction type

To view transaction status queues for manually entered funds transfers chose 'Manual' in the 'Manual/STP' field. To view transaction status queues for funds transfers uploaded through the STP function chose 'STP' in the 'Manual/STP' field. To view both types, choose 'Both'. When you choose, all transaction queues pertaining to the type selected are displayed on the screen.

Viewing Transaction Summaries

To view the transaction summary for each transaction queue for manually entered transactions, click 'Payment' button. The FT Summary screen is opened, with transaction-wise details.

To view the transaction summary for each transaction queue for STP transactions, click 'Message' button. The Incoming Browser is displayed.

Refreshing the Dash Board Information

Refresh the information displayed in the Dash Board by clicking on the 'Refresh' button in the Dash Board Summary screen.

5.24 Examples on how to Enter Details of FT Contracts

We shall now venture into actually entering an FT Contract using Oracle FLEXCUBE.

5.24.1 Outgoing Customer Transfer

Let us assume that Silas Reed, a customer of your bank (American Bank) requests you to effect a transfer on his behalf for 1000 £ from his USD account (AS1302614) on 03-01-2000 (the value date), to Wendy Klien's account with Chasebank London as a birthday gift. You will have to effect an outgoing transfer as funds are going out from your bank. You are initiating the transfer on behalf of your customer therefore an MT 100 will be generated as it is a customer transfer.

In order to enter the details of this contract quickly onto the FT contract screens we shall link this contract to a product that you have already created, which caters to outgoing customer transfers. Assume that you had assigned a product code FOCT to the product. So at the product prompt choose FOCT. The system will automatically generate a reference number for the contract; you can specify a reference number of your choice at the User Reference Number prompt. Based on the product you have linked this contract to, the product type is defaulted in the Product type field. In this case it will be Outgoing.

Therefore the debit currency is USD and the credit currency is GBP. Since your customer wishes to transfer 1000 £, enter 1,000.00 at the Credit Amount field. Since we have not checked against the 'After Rate refresh' field, the standard rate you specified for the currency pair (here USD-GBP) in the Currency table will be applied to the 1000£. This exchange rate will be displayed in the Exchange Rate field (1.4000000). Based on the exchange rate the system automatically computes the equivalent of 1000 £ in USD (1,400.00 USD). This amount will be displayed in the Debit Amount field.

Therefore you will have to credit the Nostro account of Chasebank London with 1,400.00 USD and credit the account of Silas Reed (AS1302614) for 1000 £ in the Debit account field.

We shall specify that the rates to be applied to the transfer amount are to be picked up as of the Value date and that Messages are to be generated as of Value date.

The value date for the contract is 03-JAN-2000. Based on the Spot date you specified for the USD, the value date will be defaulted. For our example assume that the Spot date maintained for USD is 2 days. Therefore the Value date is 05-JAN-2000.

Since the transfer is not effected through a Managers check or a Check, you need not enter anything in these fields, as they are not applicable to the transfer you are entering.

For the charges incurred to effect the transfer, let us charge the Remitter (Silas Reed). Therefore you will have to choose Remitter Our Charge in the Charge Bearer field.

Under Payment Details you can specify information that Silas Reed would like to send to Wendy Klien, as to the reason of the payment. In this case you can specify Birthday Gift in this field.

In the By Order of Field you can specify the name and address of Silas Reed, who is the ordering Customer. At Ultimate Beneficiary Details you can specify the name and address of Wendy Klien (the Ultimate Beneficiary of the transfer).

A screen depicting the entries that you will have to make, on the FT Contract screens to effect this transfer successfully, has been captured below:

Earlier we had specified that the Rates and Message as of to be Value date. Therefore the rates to be applied to the transfer amount will be applied on 05-JAN-00, and an MT 100 (payment order) from American Bank, NY, will be sent to Chasebank, London, on 05-JAN-00.

Viewing the Settlement Route of the transfer

In the Settlement Route screen you can view the route that the transfer will take before it actually reaches Wendy Klien. In our case American Bank has a Correspondent relationship with Chasebank, London. Therefore funds will pass from the account of Silas Reed (the ordering Customer) with American Bank, NY, to Chasebank, London. Chasebank will in turn credit the account of Wendy Klien.

Specifying Settlement Details for the transfer

So far, we have discussed the basic information about a transfer, which is captured through the Funds Transfer Contract Details screen. Click 'Settlement' button to invoke the settlement screen.

The screenshot shows a web page dialog titled "Settlement Details -- Web Page Dialog". It features a navigation bar with tabs: "Account Details", "Message Details", "Parties", "Parties", "Cover Parties", "Other Details", "Clearing Details", and "Local Clearing". Below the tabs, there is a field for "IBAN Account Number". A sub-dialog titled "Settlement Details" is open, showing a table with columns: "Component", "Currency", "Branch", "Account", "Account Currency", "DIC", "Exchange Rate", "Rate Code", "Spread Definition", "Customer Spread", "ERI Currency", and "ERI Amount". Below the table, there are fields for "Settlement Direction" (with options "D - Debit" and "C - Credit"), "Component Description", and "Signature Verification". At the bottom right, there are "Ok" and "Exit" buttons.

Specifying Account Details for the transfer

The details of the two accounts, involved in the transfer will be displayed. In our example Silas Reed bears the charges incurred to effect the transfer. Therefore Silas Reed's account together with the currency of the account to be debited for charges will be displayed. Here you can view details for each component item applicable to this transfer.

Verifying signatures online

You can choose to verify customer signatures while you are processing a debit transaction involving a customer account. You can also choose to verify signatures while initiating a DD, a telegraphic transfer, or a Charge payment. Click 'Signature Verification' button in the 'Settlement Details – Account Details' screen. The Signature Verification screen will be displayed.

Customer Signatory No *	Signatory Name	Solo Sufficient	Signatory Type	Signature Message	Approval Limit	Verified
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In this screen all the relevant details pertaining to the particular account signatory will be displayed. You can verify the account signatory details you have received against the details available in the instrument.

Specifying Message Details for a transfer

We shall settle this contract by means of a message. Therefore click on the radio button next to Message. The payment message you specified on the Contract Main screen will be defaulted here.

Since the funds in our example move from the account of Silas Reed (a non-financial institution) with American Bank, NY, to the account of Wendy Klien (a non-financial institution) with Chasebank, London; it is a customer transfer. Therefore an MT 103 (Payment Order) will be generated.

Specifying Party details for the transfer

You have two tabs to specify the parties' details. You can specify the name and address of the following parties in these screens.

- Intermediary Reimbursement Institution
- Intermediary
- Receiver Correspondent
- Account with Institution
- Ordering Institution
- Beneficiary Institution
- Ordering Customer
- Ultimate Beneficiary

Cover Parties

Specify the local clearing external counterparty details, such as the counterparty name and account details etc. You need to specify this if a cover is required for the contract.

Other Details

The system displays the default details as mentioned in the settlement instruction maintained for the customer, currency, product and module combination. The details specified in the respective fields are used in the message MT103.

Specifying the tax applicable for the transfer

Now in order to specify the tax that is applicable to the contract we you are entering click 'Tax' button on the Contract Main screen. Here, the tax specifications you made for the product to which this contract is linked will be defaulted. You can waive the tax to be levied on the transfer amount. To do so, click against the box next to Waive All.

Specifying the charges that are to be collected to effect the transfer

Click 'Tax' button in the Funds Transfer Contract Input screen to specify the charges and fees that are applicable to the transfer. Here, all the details of the charges applicable to the transfer you have entered are displayed. You can choose to waive them or charge Silas Reed for them.

You can choose to waive the charge levied on the component. Check against the Waiver option for COMPST. The specified tax will be waived.

After you have defined all, the relevant details of the transfer you can save it either by Selecting 'Save' from the Actions menu in the Application tool bar or clicking save icon.

5.24.1.1 Bank Transfer

The Aragonese Bank requests Edward Fowles Bank, London to transfer USD 10000 to the account of beneficiary institution Noble Financial Services with Anton Miller Bank, London. The transfer is to be made effective on 3rd June 2001.

Edward Fowles Bank has a correspondent relationship with Anton Miller Bank, London, and therefore, no cover is required for the funds transfer message.

The charges are to be borne by Aragonese Bank. A Payment Order, MT 100 must be generated on the value date of the contract, from Edward Fowles Bank London, to Anton Miller Bank, London.

The parties involved are as follows:

Party	Name
Ordering Institution	Aragones Bank
Sender	Edward Fowles Bank, London
Receiver	Anton Miller Bank, London
Account with Institution	Anton Miller Bank, London
Beneficiary	Noble Financial Services

Your specifications in the Funds Transfer Input Screen would be as follows:

Field	Entry
Product	Outgoing Bank Transfer Type of Product (for example, if you have maintained a product with the code FBTO for outgoing bank transfers, then you can select it here)
Debit Currency	USD
Credit Currency	USD
Credit Amount	10000
Debit Account	The account of Aragonese Bank in Edward Fowles Bank (say ARAG005)
Credit Account	The account of Noble Financial Services in Anton Miller Bank (say NFS005)
Value Date	03-06-2001
Charge Bearer	Remitter – Our Charges
Message as of	Value Date

Field	Entry
Payment Details	The reason for the transfer could be mentioned here, for instance, 'payment for delivery of goods'
By Order Of	Aragones Bank, London
Ultimate Beneficiary Details	Noble Financial Services
Account with Institution	Anton Miller Bank, London
Receiver	Anton Miller Bank, London

Your specifications in the Settlement Message Details screen would be as follows:

Message Details tab

Field	Entry
Payment By	Message
Details of Payment	The reason for the transfer, which you had specified in the Payment Details field in the main Contract Input screen, is defaulted here

The first Parties tab:

Field	Entry
Account With Institution	Anton Miller Bank, London (this information is defaulted in this field, from the main Contract Input screen)

The second Parties tab:

Field	Entry
Ordering Institution	Aragones Bank. Typically, this information is defaulted here from the main Contract Input screen
Beneficiary Institution	Anton Miller Bank. Again, this information is defaulted here from the main Contract Input screen

5.24.1.2 Outgoing Customer Transfer with Cover

Mr. Albert Williams asks Fina Bank, London to transfer USD 10000 to the account of Mr. Alfred Werker with Gemm Bank, London. Fina Bank, London does not have an accounting relationship with Gemm Bank. Therefore, it will route the payment through CSN Global Bank, London.

The transfer is to be made effective on 22nd September 2001. The charges are to be borne by the beneficiary.

An MT 103 will be generated as on the value date, from Fina Bank, London, to Gemm Bank, London. Also, a cover message will be sent to CSN Global Bank London, as on the value date.

The parties involved are as follows:

Party	Name
Ordering Customer	Mr. Albert Williams
Sender	Fina Bank, London
Sender's Correspondent	CSN Global Bank, London
Receiver	Gemm Bank, London
Account with Institution	Gemm Bank, London
Beneficiary Institution	Gemm Bank, London
Beneficiary	Mr. Alfred Werker

Your specifications in the Funds Transfer Input Screen would be as follows:

Field	Entry
Product	Incoming Customer Transfer with Cover Type of Product (for example, if you have maintained a product with the code FCCO for outgoing customer transfers with cover, then you can select it here)
Debit Currency	USD
Credit Currency	USD
Credit Amount	10000
Debit Account	Mr. Albert Williams' account in Fina Bank, London
Credit Account	Mr. Alfred Werker's account in Gemm Bank, London
Value Date	22-09-2001
Charge Bearer	Beneficiary – All Charges
Message as of	Value Date
Payment Details	The reason for the transfer could be mentioned here
By Order Of	Mr. Alfred Williams

Field	Entry
Ultimate Beneficiary Details	Mr. Alfred Werker
Account with Institution	Gemm Bank, London
Receiver	Gemm Bank, London

In the Settlement Route tab, you can view the Sender's Correspondent (CSN Global Bank) in the Our Correspondent field.

Your specifications in the Settlement Message Details screen would be as follows:

Message Details tab:

Field	Entry
Payment By	Message
Details of Payment	The reason for the transfer, which you had specified in the Payment Details field in the main Contract Input screen, is defaulted here

The first Parties tab:

Field	Entry
Account With Institution	Gemm Bank, London (this information is defaulted in this field, from the main Contract Input screen)

The second Parties tab:

Field	Entry
Ordering Institution	Fina Bank, London. Typically, this information is defaulted here from the main Contract Input screen
Beneficiary Institution	Gemm Bank, London. Again, this information is defaulted here from the main Contract Input screen

The Cover Parties tab:

Field	Entry
Beneficiary Institution for Cover	CSN Global Bank, London. Typically, this information is defaulted here from the main Contract Input screen

5.24.1.2.1 Outgoing Bank Transfer for Own Account

Barclays Bank, London holds the nostro account with Chase bank, Manhattan and Citi Bank, New Jersey. It wants to transfer USD 100000 from Chase Manhattan's account to Citi Bank in New Jersey. The transfer is to be made effective on 15th December, 2001.

So, in order to process this transfer, Barclays Bank credits Chase Manhattan's replicated account in its books and debits Citi Bank's replicated account in its books. In the same process it sends out an Outgoing MT 200 to Chase Manhattan Bank.

When Chase Manhattan Bank receives the Incoming MT 200 from Barclays London, it debits the nostro of Barclays London and sends out an MT 202 to Citi Bank, New Jersey.

Also Citi Bank , New Jersey will receive an MT 210 (Receive Notice).

The parties involved in the contract are as follows:

Party	Name
Sender	Barclays Bank , London
Receiver	Chase Bank, London
Account with Institution	Citi Bank, New Jersey

Your specifications in the Funds Transfer Input Screen would be as follows:

Field	Entry
Product	Bank transfer for Own Account (E.g.: FBTO – Bank Transfer For Own account Transfer Type of Product).
Debit Currency	USD
Credit Currency	USD
Credit Amount	100000
Debit Account	Citi Bank, New Jersey's Nostro Account

Field	Entry
Credit Account	Chase Bank, Manhattan's Nostro Account
Value Date	15-12-2001
Message as of	Booking Date
Account with Institution	Citi Bank .New Jersey
Receiver	Chase Bank , Manhattan

Your specifications in the Settlement Message Details screen would be as follows:

The first Parties tab:

Field	Entry
Account With Institution	Citi Bank, New Jersey (this information is defaulted in this field, from the main Contract Input screen)

The second Parties tab:

Field	Entry
Ordering Institution	Barclays Bank, London. Typically, this information is defaulted here from the main Contract Input screen
Beneficiary Institution	Citi Bank, New Jersey. Again, this information is defaulted here from the main Contract Input screen

Example for an MT 200:

```
{1:F01BARCGB61AECW1111111111}
{2:I2001200000703CHASGB33AFILN49937201031}
{4:
: 20:SWIF200UPL05
: 32A:011215USD100000
: 57A:CITIUS33XXX
-}
```

5.24.1.3 Incoming Customer Transfer

Mrs. Catherine Crenshaw asks Fina Bank, London to transfer USD 10000 to the account of Mrs. Wendy Klein with Gemm Bank, London. At Gemm Bank, this is an incoming transfer and the bank receives an incoming message from Fina Bank for the same.

The transfer is to be made effective on 15th December, 2001. The charges are to be borne by the beneficiary.

Gemm Bank receives an MT 103 from Fina Bank, as on the value date of the contract. Gemm Bank also receives an MT 202, for transfer with cover.

The parties involved in the contract are as follows:

Party	Name
Ordering Customer	Mrs. Catherine Crenshaw
Sender	Fina Bank, London
Receiver	Gemm Bank, London
Account with Institution	Gemm Bank, London
Beneficiary	Mrs. Wendy Klein

Your specifications in the Funds Transfer Input Screen would be as follows:

Field	Entry
Product	Incoming Customer Transfer Type of Product (for example, if you have maintained a product with the code FICO for incoming customer transfers, then you can select it here)
Debit Currency	USD
Credit Currency	USD
Credit Amount	10000
Debit Account	Mrs. Catherine Crenshaw's account in Fina Bank, London
Credit Account	Mrs. Wendy Klein's account in Gemm Bank, London
Value Date	15-12-2001
Charge Bearer	Beneficiary – All Charges
Message as of	Value Date
Payment Details	The reason for the transfer could be mentioned here

Field	Entry
By Order Of	Mrs. Catherine Crenshaw
Ultimate Beneficiary Details	Mrs. Wendy Klein
Account with Institution	Gemm Bank, London
Receiver	Gemm Bank, London

Your specifications in the Settlement Message Details screen would be as follows:

Message Details tab:

Field	Entry
Payment By	Message
Details of Payment	The reason for the transfer, which you had specified in the Payment Details field in the main Contract Input screen, is defaulted here

The first Parties tab:

Field	Entry
Account With Institution	Gemm Bank, London (this information is defaulted in this field, from the main Contract Input screen)

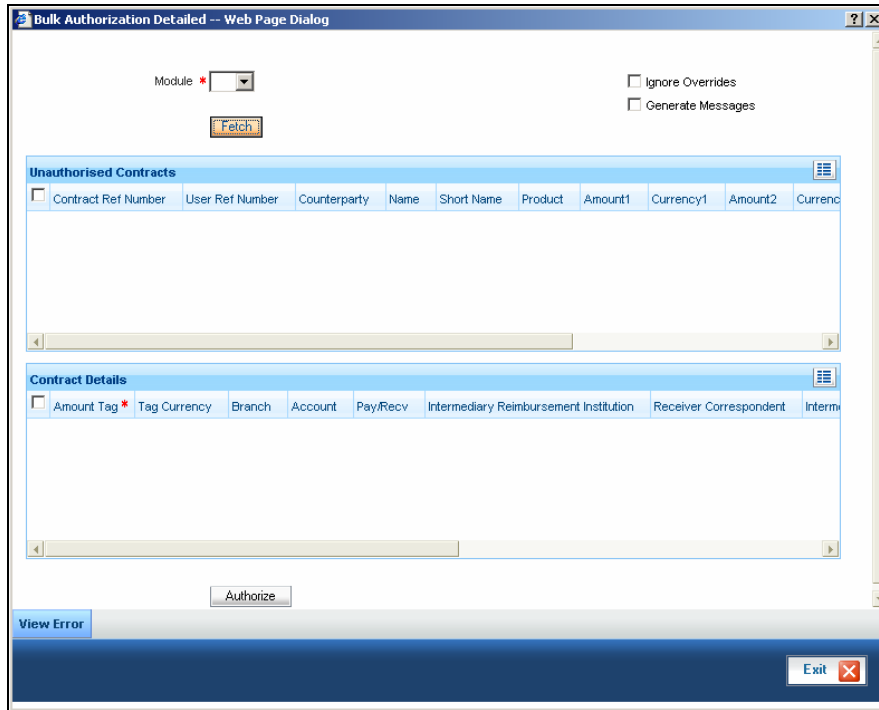
The second Parties tab:

Field	Entry
Ordering Institution	Fina Bank, London. Typically, this information is defaulted here from the main Contract Input screen
Beneficiary Institution	Gemm Bank, London. Again, this information is defaulted here from the main Contract Input screen

5.25 Authorizing Bulk FT Contracts

Typically, FT contracts have to be authorized in the respective Contract Online (Summary) screens. This method of authorizing the contracts can be quite cumbersome, especially if the volume of transactions is large. In view of this, Oracle FLEXCUBE allows bulk authorization of all unauthorized FT contracts from the 'Bulk Authorization Detailed' screen.


You can invoke the 'Bulk Authorization Detailed' screen by typing 'CSDUAUTH' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.



Select a module from the drop-down list and click 'Fetch' button to get the details of unauthorized FT contracts.

This screen has the following features:

- You can view all the unauthorized FT contracts through this screen
- You can authorize the contracts in a single action
- The system will authorize only the current branch contracts not created by you.
- You have the option to ignore the overrides associated with the contract and to specify messages generation associated with the events upon authorization.
- If an error is encountered while authorizing the contract, the system will skip that contract and process the next contract.
- For each contract, you can view the error encountered during authorization (if any) using the 'View Error' option.
- You can view the contract details of an unauthorized contract through this screen.
- You can view the settlement account details for each contract through this screen.
- You can query for specific records based on certain criteria

 Contracts with mandatory re-key fields would be displayed here, but without the re-key option being available. Global Interdict check would also not be available

5.25.1 Indicating Ignore Overrides

Indicate whether or not overrides should be ignored during authorization of the contract. If this option is unchecked, and if there are any overrides for which confirmation or dual authorization is required, then the contract will be skipped with an error 'Overrides not confirmed' upon authorization. Otherwise, the contracts will be authorized without generating errors.

5.25.2 Indicating Generate Messages

Control the generation of payment messages for events at the contract level by checking or unchecking this option. Checking this box will generate payment messages for contracts upon authorization.

5.25.3 Authorizing Contracts

You can either opt to authorize all the contracts that are displayed or choose only certain contracts for authorization.

- To authorize only specific contracts, check against the boxes positioned before each contract reference number.
- If all the contracts that are displayed have to be authorized, check against the box positioned before 'Contract Ref No'.

After selecting the contracts, click 'Authorize' button to authorize the contracts.

5.25.4 Viewing Errors

If the system encounters any errors during the authorization of a particular contract, it will record the error and move on to the next contract.

Example

Among the contracts selected for authorization, there may be certain contracts, which are created by the user who is authorizing. As the maker and checker cannot be same, system will record an error, as it cannot authorize the contract.

Click the 'View Error' button to view the details of the errors recorded. In this screen, system will display the reference number of the contracts, which could not be authorized, and the reason for the failure of the authorization.

5.25.5 Viewing Settlement Details

The settlement account details of each contract will be displayed in the 'Settlement Instructions' section of the Bulk Authorization Detailed screen. Click on the contract for which you want to view the settlement details and it will be displayed in the 'Settlement Instructions' section. For each amount tag, the following settlement details are displayed:

- Amount Tag
- Tag Currency
- Settlement account currency
- Settlement Branch
- Settlement Account
- Pay Receive Indicator
- Inter Reimbursing Institution
- Receivers Correspondent
- Intermediary
- Account with Institution
- Ordering Institution
- Ordering Customer
- Beneficiary Institution
- Ultimate Beneficiary



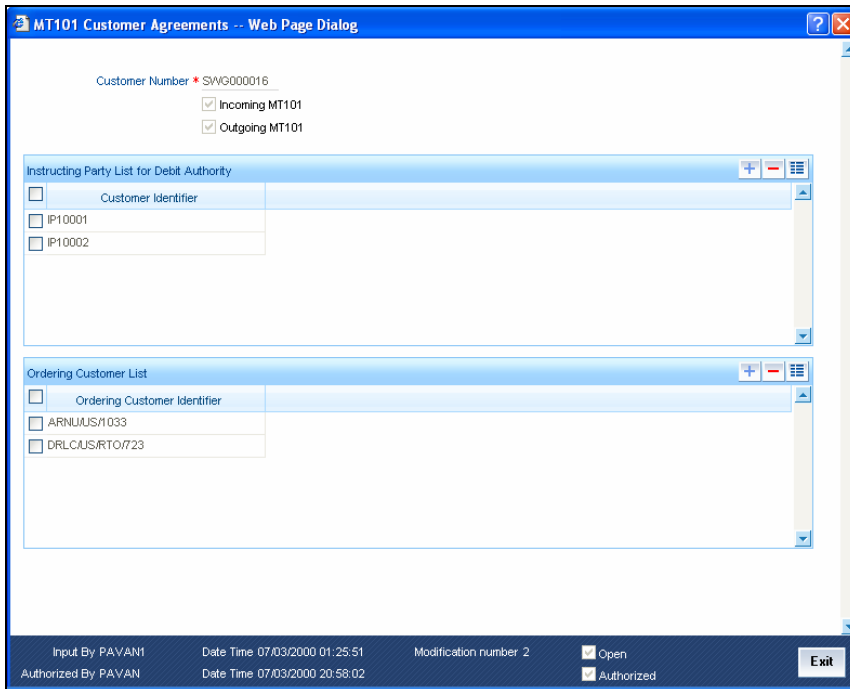
The settlement details for the latest event of the contract are displayed.

5.25.6 Viewing Contract Details

The details of the unauthorized contracts can be viewed by selecting the contract reference number in this screen.

5.26 Maintaining MT101 Agreements with Ordering Customer

You can maintain agreements with the ordering customer for MT101 through the 'MT101 Customer Agreements' screen. You can invoke the 'MT101 Customer Agreements' screen by typing 'FTDCXFRA' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.



You need to capture the following information in this screen:

Customer Number

Specify the customer number.

Incoming MT101

Select this option if it is incoming MT101.

Outgoing MT101

Select this option if it is outgoing MT101.

Customer Identifier

Here the Instructing Parties authorized to debit Ordering customer's account for incoming MT101 is listed.

Ordering Customer Identifier

Here the Party Identifiers for the Ordering customer are listed. These identifiers are used to look up the customer no in an Incoming MT101 message.

5.27 MT101 Transaction Input Screen

You can input the details for Outgoing MT101 through the 'Swift MT101 Outgoing Maintenance' screen. You can invoke the 'Swift MT101 Outgoing Maintenance' screen by typing 'FTDMT101' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

Customer Number SWG000016 Customer Specified Reference
Senders Reference * SWGZ101001850505 Receiver SWGBUS01

Instructing Party
Identifier Code(Option C)
Party Identifier(Option L) IP100001
Requested Execution Date 07/03/2000
Authorization

Ordering Customer
Account Number
Identifier Code
Party Identifier ARNUUS1033
Address Line 1 1/HS
Address Line 2 2/HDJF
Address Line 3 3/USDF
Address Line 4

Account Servicing Institution
National Clearing Code
BIC Code PAVPAV86

Sequence B	Transaction Reference Number *	FX Deal Reference Number	Transaction Currency	Transaction Amount	Exchange Rate
<input type="checkbox"/>	REF101	FXREF01	USD	100.00	
<input type="checkbox"/>	REF102	FXREF02	USD	200.00	

Message
Input By PAVAN Date Time 07/03/2000 01:46:18 Modification number 1 Open
Authorized By PAVAN Date Time 07/03/2000 01:47:27 Authorized **Exit**

You need to capture the following information in this screen:

Customer Number

Specify the customer number.

Customer Specified Reference

Provide the reference number of the specified customer.

Senders Reference

On pressing the New button system would generate a reference number which would be populated in the Sender's reference field. This reference number would be populated in the outgoing MT101 SWIFT message.

Receiver

Specify the receiver number. This field will be populated based on the maintenance in 'Bilateral Agreement' Screen.

5.27.1.1 Specifying Instructing Party Details

Specify the following details for the instructing party

Identifier Code

Specify the identifier code of the instructing party. The option list shows only BEIs.

Party Identifier

Specify the party identifier code.

Requested Execution Date

Specify the requested execution date.

Authorization

Specify the additional security provisions.

For instance a digital signature between the ordering customer/instructing party and the account servicing financial institution.

5.27.1.2 Specifying Ordering Customer Details

Specify the following details for the ordering customer

Account Number

Specify the account number of the ordering customer. The option list shows only BEIs.

Identifier Code

Specify the identifier code of the ordering customer.

Party Identifier

Specify the party identifier of the ordering customer.

Address Line

Specify the address of the ordering customer.

5.27.1.3 Specifying Account Servicing Institution Details

Specify the following details for the account servicing institution

National Clearing Code

Specify the national clearing code.

BIC Code

Specify the BIC code.

Transaction Reference Number

Specify the reference number of the transaction.

FX Deal Reference Number

Specify the reference number of the deal.

Transaction Currency

Specify the currency used for transaction.

Transaction Amount

Specify the amount of transaction.

Exchange Rate

Specify the exchange rate.

Other Details

Specify the other details in the following screen. To invoke the 'Other Details' screen click 'Other Details' button.

The screenshot shows a web dialog window titled "Other Details -- Web Page Dialog". It contains several sections for data entry:

- Instruction Code:** Fields for 1/ through 6/.
- Original Ordered Currency:** A dropdown menu.
- Original Ordered Amount:** A text input field.
- Details of Charges:** A dropdown menu with "SHA" selected.
- Charge Account:** A text input field.
- Instructing Party:** Fields for Identifier Code (Option C) and Party Identifier (Option L).
- Account Servicing Institution:** Fields for National Clearing Code and BIC Code.
- Intermediary:** Fields for BIC Code, Account Line, National Clearing Code, and Address Lines 1-4.
- Beneficiary:** Fields for Account Number and Identifier Code.
- Ordering Customer:** Fields for Account Number, Identifier Code, Party Identifier, and Address Lines 1-4.
- Account With Institution:** Fields for BIC Code, Account Line, National Clearing Code, and Address Lines 1-4.
- Remittance Information:** A section at the bottom with an empty field.

Buttons for "Ok" and "Cancel" are located at the bottom right.

Here you can maintain the other details for the outgoing MT101.

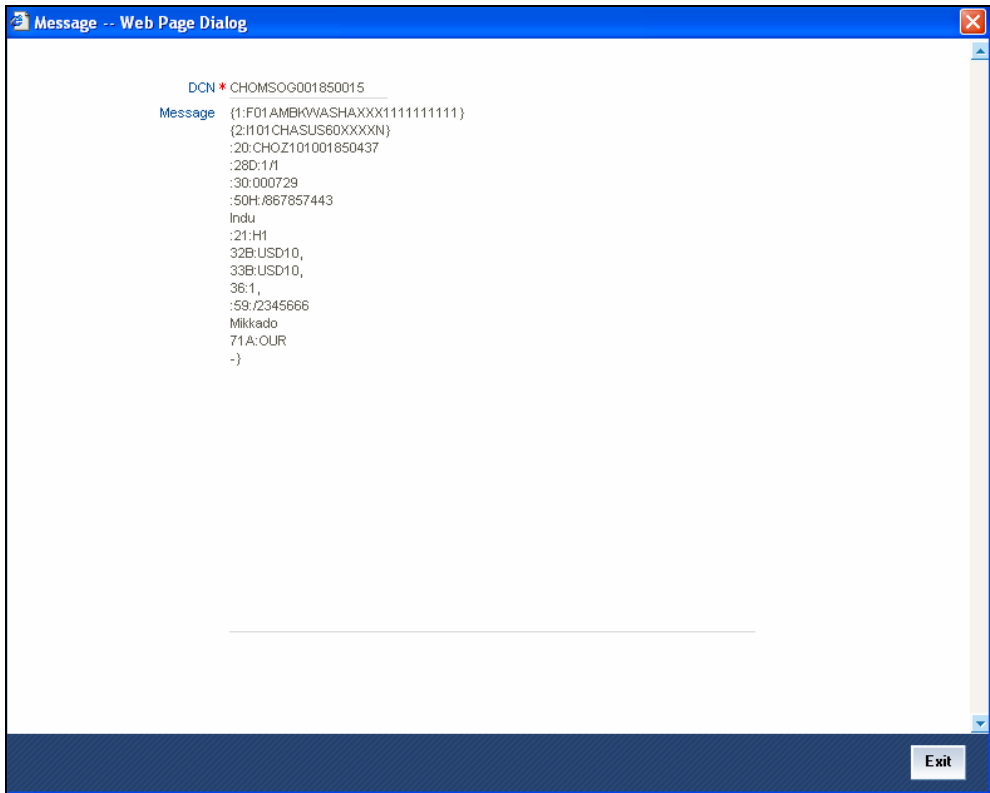
Click 'Message' button to view the SWIF message generated in the 'Messages' screen.

The screenshot shows a web dialog window titled "Messages -- Web Page Dialog". It features a table with the following data:

Message ID	Action
<input type="checkbox"/> DCN *	View Message
<input type="checkbox"/> CHOMSOG001850015	View Message

An "Exit" button is located at the bottom right of the dialog.

Click 'View Message' button the following screen will display the full message.



6. Automatic Processes

6.1 Introduction

Certain processes that are initiated either at Beginning of Day (BOD) or End of Day (EOD), execute certain events on the days they fall due. The Batch processes that are applicable to Funds Transfers are discussed in this chapter. They are:

- Autobook of a contract
- The Rate Update Function
- Referral Queue Function

6.2 Autobook Function

The autobook function handles the processing of future valued contracts. A future valued contract is one that has been stored with a value date in the future and may have rate pickup specifications as of the day you defined for the contract.

The values that you enter in the 'rate as of', 'message as of' and 'accounting as of' fields will drive the processing of a future dated contract. All authorized contracts that are due for initiation as of a particular day are picked up and processed by this batch processing function at EOD or BOD as the case may be.

If you have specified that the contract requires a rate update on a particular day then the rate as of that day is picked up from the exchange rate table and applied to the transfer amount and to the other components of the transfer.

However, if you have specified that the rate of the day must be applied to the transfer amount only after the rate refresh program for the day has been run, then the Autobook function will just mark these contracts as 'to be processed by the Rate Update Function'. The Rate Update function will process transfers that require a rate update after the rate refresh process has been run and authorized.

The Autobook function will also automatically pass Accounting Entries for all Contracts processed by it. These Accounting Entries will bear the date of the transfer i.e., the value date of the transfer. Based on the specifications you make in the 'Message as of' field, settlement messages and advices will be generated.

The Auto book function posts accounting entries for a contract that it processes based on the option set in the Accounting As Of specification in the contract details. If accounting is indicated as of 'Message Date', the relevant accounting entries are passed before the messages are generated, on the date of message generation.

For contracts involving products for which the Allow Messaging Before Accounting option has been set, the messages are indicated to be generated on the booking date, and the accounting could be indicated either on the message generation date (that is, on the booking date) after the generation of messages, or on the debit value date of the contract, depending on the specification made in the Accounting As Of field.

In a nut shell the main functions of 'Autobook' is to:

- Update the transfer amounts based on the Rate Pick up code or mark contracts as needing a Rate Update on that day.
- Pass Accounting Entries
- Generate settlement messages and advices based on the message code that you specify.

All transfers that have been processed by the Autobook Function will be marked as 'Liquidated' once the accounting entries for the transfers have been passed.

The Over ride overdraft check box has to be checked at the contract level which is defaulted from the product level for all the FT transactions which exceeds the amount available in the account, However if the same is not checked, then the contract will not be liquidated and will remain active.

6.3 Rate Update Function

When you create an FT product and define preferences for it, you can also specify the time at which the exchange rates need to be picked up for contracts involving this product.

Exchange rates are maintained by the Head Office and propagated to the branches. Rates may either be maintained by individual branches or can be input by the HO and propagated to all branches. Once the HO authorizes the exchange rate record, it becomes applicable to all other branches.

You can specify 'After Rate Refresh' for the field, 'Rate Type' at the Product Preferences screen

If you specify 'After Rate Refresh' then the contract will be put on hold. No accounting entries will be passed, neither will any messages be generated. Such a contract will not be processed until the rate refresh process for the day has been run.


You can perform further operations on a contract whose rate pick up is defined as 'After Rate Refresh' only by means of the rate update function.

The applicable exchange rates will be picked up and applied to the transfer amount on a day that you can specify. The Rate pick up code that you define for a contract basically signifies the date or day on which the standard rate (after rate refresh) needs to be picked up and applied to the transfer amount.

This date can be as of:

- Booking date
- Spot date
- Value date

Contract	Rate pickup code	Message generation code
Normal	Booking date	After authorization
Future Dated	Booking date	After Authorization
	Spot date	On spot date
	Value date	On value date

 If the Rate Pick Up code is of Spot date and Value date, then the BOD batch of the corresponding day will do the liquidation as per the rate pickup code at BOD.

To sum it up, the rate update function can be used to process:

- Cross currency transfers, i.e., the 'pay' currency is not the same as the 'receive' currency
- Contracts marked with Rate type as After rate refresh

6.3.1 Invoking Rate Update Function

From the Application Browser choose EOC Operations. Thereafter, choose Intraday Batch, and from the LOV of function ID choose the Rate Update (FTRTUPDT) under it.

When you invoke this function, the system gives the following message

The rates have been refreshed and sent to the host. Do you want to continue..

Click on 'Yes' in the message box to indicate that the rates have been refreshed. Thereafter, you can proceed with the rate update function.

Once the rate update function is completed successfully, the applicable contracts will be updated with the event 'RATE' and the latest rate will be applied and the contract will be liquidated.

6.3.2 Processing Contract with Rate Update

All the contracts which have been booked as cross currency and the rate refresh checked remain as active. Invoke the Rate refresh batch and run the same. Once the rate refresh batch is run, then those contracts are updated with the latest rate and the contract is liquidated.

You can update the rates of an unauthorized contract. However the status of the contract remain as unauthorized.

Thereafter, the necessary accounting entries and messages are passed for the transfer in accordance with the specifications you made in the 'Message As Of' field of the contract main screen.

If there are contracts for which a rate update is due; and exchange rates for the day have been refreshed, but you have not invoked the rate update function. In this case, the Autobook function automatically picks up such contracts and processes them with the refreshed rates.

If the rates for the day have been refreshed, but you have not invoked the rate update function when the rate update for a contract is due. In such a circumstance the Autobook function automatically picks up such contracts and processes it with the refreshed rates.

Example

Let us assume that a customer of your bank requests you to initiate a transfer on his behalf on 23 March 1999 (Booking date). Assume that for the contract you had specified 30 March 1999 (Value date) in the 'Rate as of' and 'Message as of' fields. Assume that you had specified that the rates to be used for the contract are to be picked up from the currency table, after the rates have been refreshed (Standard rate - 'after rate refresh').

On 23 March 1999 (the day on which you enter the contract), the contract will not be processed, no Accounting Entries will be passed nor will any messages be generated.

On the 30 March 1999, when you invoke the Rate Update function; the system will ensure that the rates have been refreshed before it allows you to update the contract with the refreshed rates.

Since the Message and Rate is as of 'Value date', accounting entries and messages will be generated on 30 March 1999.

6.4 Referral Queue Function

Referral refers to the process of handling transactions hitting the customer's account which forces the account to exceed the overdraft limit on the account.

The referral function works on a three tier process. The "Referral required" flag should be checked at "Account Class" level. The "referral required" field at the customer account class level will be defaulted to the customer Account level. In case the account is marked for referral, transactions resulting the account to go into overdraft, then the same transaction would be sent to referral queue. For accounts not marked for referral, normal Flexcube transaction processing would be done. At the FT product level, referral required flag is provided. For the corresponding account class, customer account and product, if the transaction is resulting into the account going into overdraft, then the transaction will be sent to the referral queue.



Please note the following

- The FT Referral function is applicable only for the future dated contracts.
- The Referral Required Flag has to be mandatorily checked at the Account Class level for the referral process to function which is then defaulted to the customer account level.

6.4.1 Invoking Referral Queue Function

From the application browser, choose Function Inputs under EOC operations. Maintain the Referral batch CSREFQPR for the respective branch and EOC group under Transaction Input.

Thereafter, from the application browser, select the Intra Day Batch from EOC Operations. Select the referral batch (CSREFQPR) from the [LOV Function ID and run the batch](#).

6.4.2 Processing Contract with Referral Queue Function

When a FT contract is booked with the product which is checked as “Referral required”, for the customer whom the “Referral required” is checked and of the account class where “Referral required” is checked, then the same transaction is booked with the status as active and only the BOOK event fired.

However during the EOD process, the FTAUTO, BOD batch picks up all the transactions marked for referral and puts them under “Unposted” in the referral queue.

From the Application browser, select Customer accounts and under that Customer accounts Maintenance. Select Function ID STDREFQU (Referral Queue) to view all the transactions which have been updated by the batch process as Unposted. The same can be viewed each customer account wise.

Once the BOD process is completed, then you have to manually unlock the record customer wise and select each transaction as Pay flag / Unpay Flag. When the you select the transaction as Pay Flag, it means you have accepted that transaction and the over draft facility can be used. However in case you select the Unpay flag for the transaction, then the transaction is rejected. Once this is done you have to save the record.



The fields Pay Posted and Unpay Posted field can be used to do bulk postings.

Posting Date	Contract Reference Number	Referral Description	Dr Amount	Pay Flag	Unpay Flag	Waive Charges	Reason
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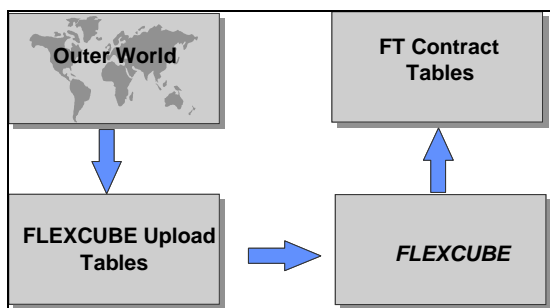
Once the record is saved, the intraday batch CSREFQPR should be run. This batch processes all the contracts where the Pay Flag has been checked. INIT is fired for all the selected transactions. It also rejects all the contracts where the 'Unpay' field has been checked.

7. Batch Upload Function

7.1 Introduction

Entering high volume funds transfer contracts can be laborious and time consuming. You can avoid entering such contracts by using the Batch Upload Function. The FT Batch Upload function is designed to accept raw data that can be processed into an FT contract in Oracle FLEXCUBE. This function when invoked, automatically reads the data that is resident in the gateway (upload) tables of Oracle FLEXCUBE and create contracts in the FT module of Oracle FLEXCUBE. FT contracts can come into the gateway (upload) tables from any external system or source depicted as the Outer World in the diagram. Contracts to be uploaded onto Oracle FLEXCUBE should match certain validations, which will be discussed in the course of this chapter.

FT contracts can come into Oracle FLEXCUBE from any source depicted as the 'Outer World' in the diagram. However, Oracle FLEXCUBE will pick up contracts for upload only from the upload tables of Oracle FLEXCUBE.



For FT contracts to be successfully uploaded on to Oracle FLEXCUBE, the details of such contracts resident in the upload tables should pass all validations checked by the system.

In the course of this chapter we will discuss:

- The maintenance that is required prior to uploading FT contracts in Oracle FLEXCUBE.
- The steps involved in the contract upload process, including handling of errors/ overrides.
- The structure of the gateway (upload) tables and the type of data that Oracle FLEXCUBE expects to be available in the upload tables prior to the upload process.

7.2 Maintaining Upload Sources

Oracle FLEXCUBE provides the facility of uploading funds transfer transactions on an online basis, from external upstream systems.

To recall, FT contracts can be uploaded onto Oracle FLEXCUBE from any external source, such as an upstream system. However, Oracle FLEXCUBE will pick up transactions for upload only from its FT upload (or gateway) tables.

For FT transactions to be successfully uploaded on to Oracle FLEXCUBE, the details of such transactions resident in the upload tables should pass all validations done by the system.

Oracle FLEXCUBE validates the uploaded transactions, and after successful validation, they are taken up for processing as FT contracts in the system. Any transactions that fail the validations are rejected, and the reason for rejection recorded.

For reporting purposes, before you actually begin to upload FT contracts onto Oracle FLEXCUBE, you should maintain details of the sources from which contracts can come into the upload tables. A source in Oracle FLEXCUBE is simply a collection of attributes for a batch of contracts coming in through the upload tables.

For a source, you can define the operations (post upload) that can be performed on contracts uploaded from a particular source, and also define the status that uploaded contracts should be marked with. You can also define the exception handling attributes at this level.

Upload sources can be maintained at the Head Office level and propagated to the branches of your bank.

The maintenance of upload sources helps to retrieve information for a given source.

7.2.1 Deleting Uploaded Contract

Deleting an uploaded FT contract (from the Oracle FLEXCUBE front end, post upload) may or may not be allowed. It is determined by the specifications you made in the 'Delete Allowed' field of the 'Source Detail Maintenance' screen.

To delete an uploaded FT contract, Select 'Delete' from the Actions menu in the Application tool bar or click delete icon, when you view the contract in the summary or detailed view.

You can delete an uploaded contract only if:

- the record is unauthorized
- you have allowed the delete operation for the record in the Source Detail Maintenance screen.

7.3 Amending Uploaded Contract

Amending an uploaded FT contract after upload, may or may not be allowed. It is determined by the specifications you have made in the 'Amend Allowed' field on the 'Source Detail Maintenance' screen. To amend an uploaded record, choose upload from the Actions Menu.

Amendments to an unauthorized uploaded contract

If the uploaded contract bears the status 'unauthorized', Oracle FLEXCUBE will allow you to amend only those fields that have been marked with 'Amend allowed'.

Amendment to an authorized uploaded contract

If the uploaded contract bears the status 'authorized', you can amend only those fields that have been marked with 'Amend allowed' in authorized state.

Amending an uploaded contract placed on 'hold'

If an FT Contract has been uploaded and placed on hold, you will be allowed to amend only those fields of the uploaded contract for which you had specified that amendment is allowed.

7.4 Reversing Uploaded Contract

Reversing an uploaded FT contract may or may not be allowed. It is determined by the specifications you have made in the 'Reverse Allowed' field on the 'Source Detail Maintenance' screen.

To reverse an uploaded contract select 'Reverse' from the Actions menu in the Application tool bar or click reverse icon. You can reverse an uploaded record if:

- the record is authorized
- you have allowed the reverse operation for the record in the 'Source Detail Maintenance' screen

7.5 Automatic Upload of MT 103 and MT 202 S.W.I.F.T Messages

The Message Upload facility of Oracle FLEXCUBE allows you to automatically process all incoming MT 100, MT 103 and MT 202 messages, which result in either incoming or outgoing Funds Transfers. The Message Upload facility is a part of the Straight Through Processing (STP) function in Oracle FLEXCUBE.

7.6 Uploading Contracts through STP Function

One of the most important features of the Funds Transfer module is the facility of processing contracts without user intervention. Messages received from ordering customers are interpreted, resolving the details of the contract, which is then booked automatically in the system and then processed to closure. This kind of automatic processing is known as straight through processing or STP.

The Message Upload function, which is a part of STP, resolves incoming SWIFT messages and writes the interpreted details into the FT Upload tables.

When the FT upload function is invoked, it uploads contracts that have been written into the upload tables by the STP Message Upload function, in addition to contracts from external sources. It processes data resident in the FT Upload tables and creates FT contracts in the system, which is then processed normally, just as contracts booked in the normal way, through the FT Contract Online screen.



The branch-level STP preferences are applicable for upload of contracts through the FT Upload process. For details about the branch-level STP preferences, refer the Straight Through Processing chapter in this user manual.

The FT upload can either be invoked independently as a process after populating the data in the FT upload tables (i.e., as described in the section titled 'Starting the FT Upload function) or will be invoked automatically as a part of the overall STP process.

For details on the complete STP process (and more details on the message upload component of the process), refer to the Straight Through Processing chapter in the Funds Transfer user manual. Only the FT Upload function process, which is part of the overall STP process, is described here.

7.6.1 **FT Upload Tables (Gateway Tables)**

Transactions can only be uploaded into the gateway tables by an upstream system only when Oracle FLEXCUBE is in transaction input stage. No transactions can be uploaded after the End of Transaction Input (EOTI) stage is marked off in Oracle FLEXCUBE. Any transactions that are uploaded into the gateway tables by an upstream system are marked with the status 'U', denoting 'unprocessed', in the CSTBS_EXT_CONTRACT_STAT table, which is the control master table for all transactions uploaded into Oracle FLEXCUBE from external systems.

An Oracle background process (Oracle job) constantly checks the gateway tables during Oracle FLEXCUBE's transaction input to see if any transactions have been uploaded into the tables by an external upstream system, that have not been processed, i.e., marked with the status 'U'. All such transactions are identified by the Oracle background process and picked up for the purpose of validating the uploaded transaction information.

The FT Upload tables, which are populated with FT contracts from external sources and through the STP Message Upload process, will be examined in detail in this section. The upload tables are also called the gateway tables. The following are the upload tables that need to be populated before invoking the FT Upload function, either manually or automatically through the overall STP process.

Table Name	Mandatory	Remarks
CSTBS_EXT_CONTRACT_STAT	Yes	Master table of all contract uploads
FTTBS_UPLOAD_MASTER	Yes	Funds Transfer Upload Master
ISTBS_UPLOAD_CONTRACTIS	No	Settlement Information for Customer Accounts / Nostro
CFTBS_UPLOAD_CHARGE	No	Charge details for the contract
TATBS_UPLOAD_RULE	No	Tax details for the contract
MITBS_CONTRACT_MAPPING_UPLOAD	No	MIS details for Funds Transfer contracts
CSTBS_UPLOAD_CONTRACT_UDF	No	User defined fields for Funds Transfer contracts
FTTBS_UPLOAD_EXCEPTION	No	Exception details in case of upload failure
FTTBS_UPLOAD_LOG	No	Mandatory download table populated by Oracle FLEXCUBE after successful / failed upload

7.6.1.1 Upload into Gateway Tables

The contract details of all the contracts to be uploaded from external sources are populated into gateway tables (i.e., the upload tables) of Oracle FLEXCUBE initially, either from a front-office contract booking system or by the Message Upload function of Oracle FLEXCUBE (in the case of STP).

Every contract that is uploaded is identified by a Source name (as maintained in the FT Upload Source maintenance) and a unique number called Source Reference Number (typically the reference number of the contract in the system in which it was first initiated, such as a front-office system). Once a contract is uploaded into the gateway tables, the Oracle FLEXCUBE system generates a unique Contract Reference Number for each uploaded contract. Subsequently, for all other operations that need to be performed, such as amendment, authorization, reversal and so on, this number identifies the contract.

The gateway tables for Charges, Management Information System (MIS), Tax, and User Defined Field (UDF) components are optional in nature. In the absence of entries in these tables, the system picks up the default details from the product or the customer involved in the contracts, as applicable.



The source reference number also gets displayed in the field 21 of MT 202, as the related reference number. The number should not start or end with a slash '/' and should not have two consecutive slashes '//'.

7.6.1.2 Processing and Validations

The Oracle FLEXCUBE FT Upload process can be configured to be invoked either manually or automatically by an Oracle process that continuously checks for newly uploaded contracts. This process picks up all contracts that have a status of "U" in the CSTBS_EXT_CONTRACT_STAT table, and performs validations on the data populated in the upload tables.

All successfully validated contracts will result in creation of contracts in the FT module of Oracle FLEXCUBE and the import status is set to "Y" (Processed) in the CSTBS_EXT_CONTRACT_STAT table (which is the control table for uploads into Oracle FLEXCUBE).

The post import status will be changed to "U" (Unauthorized) or "A" (Authorized) based on the preferences set in the FT Upload Sources maintenance. For the contracts that are auto authorized, the authorizer of the contract will be 'SYSTEM'.

- For contracts to be put on hold only basic validations are done and the import status and post import status are changed to "Y" (Processed) and "H" (Hold) respectively.
- For the contracts that encountered errors and rejected, the import status is set to "E" ('Error' and 'Rejected').
- The FT Upload process does not delete the exception records of an existing FT Upload Transaction that has been marked as 'E', i.e., 'Error' and 'Rejected'.

The user ID in the contract information must be a valid Oracle FLEXCUBE user ID, and have appropriate permissions for the upload of FT contracts. The number of contracts uploaded using the user ID is also validated, to see that it does not exceed the maximum number of transactions allowed.

Any contracts rejected by Oracle FLEXCUBE (i.e. by the FT Upload function) should be corrected at source and re-sent with a different payment reference and status "U".

Charges and Tax information

The charges and tax information is uploaded by the upstream system into the CFTBS_UPLOAD_CHARGE and TATBS_UPLOAD_RULE gateway tables respectively. The system checks to ensure the correct amount tags, components and tax rule to be used are provided for appropriate charges and taxes applicable to the contract (as maintained in the Oracle FLEXCUBE funds transfer product), in the uploaded transaction information.

Settlement Details

The settlement route for the payment in a transaction is uploaded by the upstream system into the ISTBS_UPLOAD_CONTRACTIS gateway table. If the settlement information is not uploaded into this table, the standard settlement route maintained in Oracle FLEXCUBE under standard settlement instructions maintenance is picked up.



Note the following:

- For uploaded FT contracts, the System checks for the charge bearer for the contract. If found, and the specification is different from that defined for the FT product, an error is raised (if the Allow Change in Contract option has not been enabled). If not specified in the upload information, it is defaulted from the preferences for the product of the contract.
- Also, the Beneficiary Account would undergo IBAN validations if the Beneficiary IBAN Mandatory option has been enabled for the FT Product. A configurable override is logged if the IBAN validations fail.

7.6.1.3 Generation of Accounting Entries and Messages

Appropriate accounting entries and messages are passed for all successfully validated contracts except for those in "Hold" status based on the events defined for the product involving the contract.

7.6.1.4 Recording Exceptions and Errors

The Funds Transfer Upload process logs the errors encountered for each contract during the upload process. The error codes indicating the reasons for rejections are populated in an exception table, the FTTBS_UPLOAD_EXCEPTION table.

7.6.1.5 Maintenance Log

All contracts that are processed, irrespective of their status, are recorded in FTTBS_UPLOAD_LOG, which is the log table for all upload processing. If, for a Source Reference, a record already exists in the table, the data is overwritten by the latest values.

7.6.2 Structure of FT Upload (Gateway) Tables

Each of the upload tables is described in detail below:

7.6.2.1 FTTBS UPLOAD MASTER

This table consists of the funds transfer contracts information, which will be loaded to the Funds Transfer Contract Master table. This table must be compulsorily populated for the FT Upload function to be invoked.

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
SOURCE_CODE	Alphanumeric (15)	Yes			Valid Source Code – Primary Key
SOURCE_REF	Alphanumeric (16)	Yes			Reference Number of the Other System – Primary Key
FT_CONTRACT_REF	Alphanumeric (16)	No			Will be populated by Oracle FLEXCUBE. Oracle FLEXCUBE Reference Number for cross verification
BRANCH_CODE	Alphanumeric (3)	Yes			Branch to which contract needs to Be uploaded. Valid branch in Oracle FLEXCUBE
USER_REF_NO	Alphanumeric (16)	Yes		IF NULL, Source Reference will be Copied by Oracle FLEXCUBE	User Reference Number for the transaction
FT_TYPE	1 Character	Yes			Type of fund transfer Transaction. Should be the same as Product Maintenance. I - Incoming Funds Transfer O - Outgoing Funds Transfer

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					N – Internal Funds Transfer or Book Transfer
MSG_COVER	CHAR (1)	Yes		Default from Product	Cover Message Required N-Cover not required Y-Cover required
MSG_AS_OF	CHAR (1)	Yes		Default from Product	When Outgoing Message should be sent B-Booking Date S-Spot Date V-Value Date N-Not applicable D-Debit Value Date C-Credit Value Date I-Instruction Date
RATE_AS_OF	CHAR (1)	Yes		For Cross Currency, Default from Product For Non Cross Ccy, Default N	Date as of which the exchange rates must be picked up B-Booking Date S-Spot Date V-Value Date U-User Input N-Not applicable D-Debit Value Date C-Credit Value Date

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					I-Instruction Date For cross currency contracts, should be one of 'B','S','V','U'
AFTER_RATE_CHANGE	CHAR (1)	Yes		N	Pickup rate as of parameter specified or not Y-Input N-As per rate as of parameter
RATE_TYPE	Alphanumeric (8)	No			Valid Oracle FLEXCUBE Rate Type. Should be null for non cross currency contracts
SPREAD_CODE	1 Character	Yes			Spread Code 1 – 1 Spread 2 – ½ Spread 4 – ¼ Spread 8 – 1/8 Spread 9 – No Spread For non cross currency, should be 9.
EXCHANGE_RATE	Number (14,7)	No			User Input Exchange Rates. Mandatory for cross currency user input rates
DR_BRANCH	Alphanumeric (3)	Yes			Debit Account Branch. Valid branch code to which Debit Account belongs
DR_ACCOUNT	Alphanumeric (20)	Yes			Debit Account. Valid Oracle FLEXCUBE

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					account
DR_CCY	Alphanumeric (3)	Yes			Debit Currency. Valid Currency Code in Oracle FLEXCUBE
DR_AMOUNT	Number (22,3)	No			Debit Amount. For non cross currency, cannot be Null. For Incoming FT cannot be null Should Be same as CR_AMOUNT for non cross currency contracts
DR_VALUE_Date	Date	Yes			Debit Value Date. Holiday Maintenance should exist for this value date
CR_BRANCH	Alphanumeric (3)	Yes			Credit Branch. Valid branch code to which Credit Account belongs
CR_ACCOUNT	Alphanumeric (20)	Yes			Credit Account. Valid Oracle FLEXCUBE account
CR_CCY	Alphanumeric (3)	Yes			Credit Currency. Valid Currency Code in Oracle FLEXCUBE
CR_AMOUNT	Number (22,3)	No			Credit Amount. For non cross currency cannot be Null. For Outgoing FT cannot be null Should be the same as CR_AMOUNT for non cross currency

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					contracts
CR_VALUE_Date	Date	Yes			Credit Value Date. Holiday Maintenance should exist for this value date
MCK_Number	Alphanumeric (16)	No			Manager's Check Number. If MCK Required is 'Y' at Product Level then this field is mandatory. Should be unique if supplied. Should not be present if Managers Check required is 'N' at Product Level
CHECK_Number	Alphanumeric (16)	No			Check Number. Should not be present if DR Account is a GL.
BY_ORDER_OF1	Alphanumeric (35)	No			By Order of. For Incoming FT, if Credit Account is A GL, one of the fields of By order Of is mandatory. For Outgoing/Internal FT, if Debit Account is a GL, one of the fields of By Order Of is mandatory
BY_ORDER_OF2	Alphanumeric (35)	No			By Order of. For Incoming FT, if Credit Account is A GL, one of the fields of By Order Of is mandatory. For Outgoing/Internal FT, if Debit Account is a GL, one of the fields of By Order Of is mandatory

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
BY_ORDER_OF3	Alphanumeric (35)	No			By Order Of. For Incoming FT, if Credit Account is A GL, one of the fields of By Order Of is mandatory. For Outgoing/Internal FT, if Debit Account is a GL, one of the fields of By Order Of is mandatory
BY_ORDER_OF4	Alphanumeric (35)	No			By Order of. For Incoming FT, if Credit Account is A GL, one of the fields of By Order Of is mandatory. For Outgoing/Internal FT, if Debit Account is a GL, one of the fields of By Order Of is mandatory
ULTIMATE_BEN1	Alphanumeric (35)	No	59		Ultimate Beneficiary. For Incoming/Internal FT, if Credit Account is a GL, one of the fields of Ultimate Beneficiary is mandatory. For Outgoing FT, if Credit Account is a Nostro Account and it is a Customer Transfer, one of the fields of Ultimate Beneficiary is mandatory
ULTIMATE_BEN2	Alphanumeric (35)	No	59		Ultimate Beneficiary. For Incoming/Internal FT, if Credit Account is a GL, one of the fields of Ultimate Beneficiary is mandatory. For Outgoing FT, if

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					Credit Account is a Nostro Account and it is a Customer Transfer, one of the fields of Ultimate Beneficiary is mandatory
ULTIMATE_BEN3	Alphanumeric (35)	No	59		Ultimate Beneficiary. For Incoming/Internal FT, if Credit Account is a GL, one of the fields of Ultimate Beneficiary is mandatory. For Outgoing FT, if Credit Account is a Nostro Account and it is a Customer Transfer, one of the fields of Ultimate Beneficiary is mandatory
ULTIMATE_BEN4	Alphanumeric (35)	No	59		Ultimate Beneficiary. For Incoming/Internal FT, if Credit Account is a GL, one of the fields of Ultimate Beneficiary is mandatory. For Outgoing FT, if Credit Account is a Nostro Account and it is a Customer Transfer, one of the fields of Ultimate Beneficiary is mandatory
ULTIMATE_BEN5	Alphanumeric (35)	No	59		Ultimate Beneficiary. For Incoming/Internal FT, if Credit Account is a GL, one of the fields of Ultimate Beneficiary is mandatory. For Outgoing FT, if Credit Account is a

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					Nostro Account and it is a Customer Transfer, one of the fields of Ultimate Beneficiary is mandatory
INT_REIM_INST1	Alphanumeric (35)	No	55		Reimbursement Institution
INT_REIM_INST2	Alphanumeric (35)	No	55		Reimbursement Institution
INT_REIM_INST3	Alphanumeric (35)	No	55		Reimbursement Institution
INT_REIM_INST4	Alphanumeric (35)	No	55		Reimbursement Institution
INT_REIM_INST5	Alphanumeric (35)	No	55		Reimbursement Institution
INTERMEDIARY1	Alphanumeric (35)	No	56		Intermediary
INTERMEDIARY2	Alphanumeric (35)	No	56		Intermediary
INTERMEDIARY3	Alphanumeric (35)	No	56		Intermediary
INTERMEDIARY4	Alphanumeric (35)	No	56		Intermediary
INTERMEDIARY5	Alphanumeric (35)	No	56		Intermediary
RECVR_CORRES1	Alphanumeric (35)	No			Receiver correspondent
RECVR_CORRES2	Alphanumeric (35)	No			Receiver correspondent
RECVR_CORRES3	Alphanumeric (35)	No			Receiver correspondent
RECVR_CORRES4	Alphanumeric (35)	No			Receiver correspondent
RECVR_CORRES5	Alphanumeric (35)	No			Receiver Correspondent

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
ACC_WITH_INST 1	Alphanumeric (35)	No	57		Account With Institution. Mandatory if cover is required
ACC_WITH_INST 2	Alphanumeric (35)	No	57		Account With Institution. Mandatory if cover is required
ACC_WITH_INST 3	Alphanumeric (35)	No	57		Account With Institution. Mandatory if cover is required
ACC_WITH_INST 4	Alphanumeric (35)	No	57		Account With Institution. Mandatory if cover is required
ACC_WITH_INST 5	Alphanumeric (35)	No	57		Account With Institution. Mandatory if cover is required
SNDR_TO_RECVR_INFO1	Alphanumeric (35)	No	72		Sender Receiver Information
SNDR_TO_RECVR_INFO2	Alphanumeric (35)	No	72		Sender Receiver Information
SNDR_TO_RECVR_INFO3	Alphanumeric (35)	No	72		Sender Receiver Information
SNDR_TO_RECVR_INFO4	Alphanumeric (35)	No	72		Sender Receiver Information
SNDR_TO_RECVR_INFO5	Alphanumeric (35)	No	72		Sender Receiver Information
SNDR_TO_RECVR_INFO6	Alphanumeric (35)	No	72		Sender Receiver Information
PAYMENT_DETAILS1	Alphanumeric (35)	No	70		Payment Details
PAYMENT_DETAILS2	Alphanumeric (35)	No	70		Payment Details
PAYMENT_DETAILS	Alphanumeric	No	70		Payment Details

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
ILS3	(35)				
PAYMENT_DETAILS4	Alphanumeric (35)	No	70		Payment Details
ORDERING_INSTITUTION1	Alphanumeric (35)	No	52		Ordering Institution
ORDERING_INSTITUTION2	Alphanumeric (35)	No	52		Ordering Institution
ORDERING_INSTITUTION3	Alphanumeric (35)	No	52		Ordering Institution
ORDERING_INSTITUTION4	Alphanumeric (35)	No	52		Ordering Institution
ORDERING_INSTITUTION5	Alphanumeric (35)	No	52		Ordering Institution
BENEFICIARY_INSTITUTION1	Alphanumeric (35)	No	58		Beneficiary Institution
BENEFICIARY_INSTITUTION2	Alphanumeric (35)	No	58		Beneficiary Institution
BENEFICIARY_INSTITUTION3	Alphanumeric (35)	No	58		Beneficiary Institution
BENEFICIARY_INSTITUTION4	Alphanumeric (35)	No	58		Beneficiary Institution
BENEFICIARY_INSTITUTION5	Alphanumeric (35)	No	58		Beneficiary Institution
UPLOAD_STATUS	1 Character	Yes		U	Upload Status. Populate with Null at the time of Upload. After Upload, H-Contract Put on Hold U- Unauthorised A-Authorised
APPLY_ICCF	1 Character	Yes		Y	ICCF Pickup Required Y- ICCF Pickup

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					Required N-ICCF Pickup Not Required Cannot be Y when PASS_ACC_ENTRIES is N or APPLY_SETTLEMENTS is N
CHARGE_WHOM	1 Character	Yes			Whom to Charge O- Rem - All Chgs B- Ben - All Chgs U- Rem - Our Chgs
APPLY_TAX	1 Character	Yes			Tax Pickup Required Y-Tax Pickup Required N-Tax Pickup Not Required. Should be N when PASS_ACC_ENTRIES is N
APPLY_SETTLEMENTS	1 Character	Yes		Y	Settlement Pickup Required U-Populate Beneficiary Institution N-Settlement Pickup Not Required D- Don't Populate intermediary reimbursement institution, intermediary, receiver correspondent, sender receiver info, ordering institution,

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					beneficiary institution Y-Populate Settlement
PASS_ACC_ENTRIES	1 Character	Yes		Y	Pass Accounting Entries Y-Pass Accounting Entries N-Don't Pass Accounting Entries
INTERNAL_REMARKS	Alphanumeric (255)	No			Remarks.
PRODUCT_CODE	Alphanumeric (4)	Yes		N	Valid Product Code
LCY_EQUIVALENT	Number (22,3)	Yes		Y	Local Currency Equivalent
ERI_CCY	Alphanumeric (3)	No		Y	Euro Re-denomination Currency
ERI_AMOUNT	Number (22,3)	No		Y	Euro Re-denomination Amount
RECEIVER	Alphanumeric (11)	Yes			Receiver for Settlements.
UPLOAD_MSG_TYPE	Alphanumeric (3)	No			

7.6.2.2 CSTBS EXT CONTRACT STAT

This is the 'status driving' table into which details of uploaded contracts are written, for all modules of Oracle FLEXCUBE. Each single row represents an uploaded contract. The system will update certain columns such as the import status automatically, after the upload is completed.

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
BRANCH_CODE	Alphanumeric (3)	Yes			Valid Branch Code
SOURCE	Alphanumeric (15)	Yes			Source Code – Primary Key
PRODUCT_CODE	Alphanumeric (4)	Yes			Product Code
COUNTERPARTY	Alphanumeric (9)	Yes			Customer for the contract
EXTERNAL_INIT_Date	Date	No			Oracle System Initiation Date
MODULE	Alphanumeric (2)	Yes			Module Code. Should be FT
EXTERNAL_REF_NO	Alphanumeric (16)	Yes			Source Reference . Should be equal to Source Ref on FTTB_UPLOAD_MASTER – Primary Key
IMPORT_STATUS	1 Character	Yes		U	Upload Status. Should be U. U- Unprocessed Y- Processed. E – Error &

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					Rejected
CONTRACT_REF_NO	Alphanumeric (16)	No			Oracle FLEXCUBE Will populate with Actual Contract Ref Number
POST_IMPORT_STATUSES	1 Character	No			Status of contract after upload. H-Hold, U-Unauthorized, A-Authorized
EXPORT_STATUS	1 Character	No			
USER_ID	Alphanumeric (12)	Yes			Valid Oracle FLEXCUBE User ID with sufficient permissions to upload

7.6.2.3 ISTBS UPLOAD CONTRACTIS

This table contains details of settlement related information for each component (which is debited/credited to a customer or nostro type of account) of each of the uploaded contracts.

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
BRANCH_CODE	Alphanumeric (3)	Yes			Branch Code – Same as that of FTTB_UPLOAD_MASTER
SOURCE_CODE	Alphanumeric (15)	Yes			Source Code – Same as that of FTTB_UPLOAD_MASTER – Primary Key
SOURCE_REF	Alphanumeric (16)	Yes			Source Reference – Same As that of FTTB_UPLOAD_MASTER – Primary Key
AMOUNT_TAG	Alphanumeric (20)	Yes			Amount Tag Name – Name used to identify each customer account/nostro entry within the Funds transfer Transaction – Primary Key
TAG_CCY	Alphanumeric (3)	Yes			Currency of Amount Tag. Should be a valid currency code and should relate to the component Definition.
AMT_IN_TAG_CCY	Number(22,3)	Yes			Amount in Amount Tag currency
ACC_BRANCH	Alphanumeric (3)	Yes			Branch to which the account belongs
ACCOUNT	Alphanumeric (20)	Yes			Valid account to which accounting entry is to be

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					posted.
ACC_CCY	Alphanumeric (3)	Yes			Currency of the account
AMT_IN_ACC_CCY	Number (22,3)	Yes			Amount in account currency
EX_RATE	Number (14,7)	Yes			Exchange rate between tag currency and account currency
PAYMENT_BY	1 Character	Yes			Payment Method M-Message I-Instrument C-Clearing
INSTRUMENT_TYPE	Alphanumeric (15)	No			Instrument Type MCK – Manager’s Check, CHECK - Check, DRAFT – Demand Draft
INSTRUMENT_NO	Alphanumeric (16)	No			Instrument Number
COVER_REQUIRED	1 Character	Yes		N	Cover Required Y- Cover Required N- Cover Not Required
VALUE_Date	Date	Yes			Value Date of the transaction
CHARGES_DETAILS	1 Character	No			Charges Details
OUR_CORRESPONDENT	Alphanumeric (9)	No			Our Correspondent. Should be Null if

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					payment is by 'Instrument'
RECEIVER	Alphanumeric (11)	No			Should be a Valid Swift Code / Customer number, if cover is required and Receiver is NOT NULL
INT_REIM_INST1	Alphanumeric (35)	No	55		Intermediate Reimbursement Institution
INT_REIM_INST2	Alphanumeric (35)	No	55		Intermediate Reimbursement Institution
INT_REIM_INST3	Alphanumeric (35)	No	55		Intermediate Reimbursement Institution
INT_REIM_INST4	Alphanumeric (35)	No	55		Intermediate Reimbursement Institution
INT_REIM_INST5	Alphanumeric (35)	No	55		Intermediate Reimbursement Institution
RCVR_CORRESP 1	Alphanumeric (35)	No	54		Receiver Correspondent
RCVR_CORRESP 2	Alphanumeric (35)	No	54		Receiver Correspondent
RCVR_CORRESP 3	Alphanumeric (35)	No	54		Receiver Correspondent
RCVR_CORRESP 4	Alphanumeric (35)	No	54		Receiver Correspondent
RCVR_CORRESP 5	Alphanumeric (35)	No	54		Receiver Correspondent
INTERMEDIARY1	Alphanumeric (35)	No	56		Intermediary. For Payment by = '1' or Cover Required = Y should not be present.

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
INTERMEDIARY2	Alphanumeric (35)	No	56		Intermediary. For Payment by = 'I' or Cover Required = Y should not be present.
INTERMEDIARY3	Alphanumeric (35)	No	56		Intermediary. For Payment by = 'I' or Cover Required = Y should not be present.
INTERMEDIARY4	Alphanumeric (35)	No	56		Intermediary. For Payment by = 'I' or Cover Required = Y should not be present.
INTERMEDIARY5	Alphanumeric (35)	No	56		Intermediary. For Payment by = 'I' or Cover Required = Y should not be present.
ACC_WITH_INSTN 1	Alphanumeric (35)	No	57		Account With Institution. If Cover Required = Y at least one Acc With Institution should be present
ACC_WITH_INSTN 2	Alphanumeric (35)	No	57		Account With Institution. If Cover Required = Y at least one Acc With Institution should be present
ACC_WITH_INSTN 3	Alphanumeric (35)	No	57		Account With Institution. If Cover Required = Y at least one Acc With Institution should be present

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
ACC_WITH_INSTN 4	Alphanumeric (35)	No	57		Account With Institution. If Cover Required = Y at least one Acc With Institution should be present
ACC_WITH_INSTN 5	Alphanumeric (35)	No	57		Account With Institution. If Cover Required = Y at least one Acc With Institution should be present
PAYMENT_DETAI LS1	Alphanumeric (35)	No	70		Payment Details. Not required for FT. Always Null
PAYMENT_DETAI LS2	Alphanumeric (35)	No	70		Payment Details. Not required for FT. Always Null
PAYMENT_DETAI LS3	Alphanumeric (35)	No	70		Payment Details. Not required for FT. Always NULL
PAYMENT_DETAI LS4	Alphanumeric (35)	No	70		Payment Details. Not required for FT. Always NULL
SNDR_TO_RCVR_ INFO1	Alphanumeric (35)	No	72		Sender to Receiver Information. Should follow the SWIFT standards of Sender Receiver Information
SNDR_TO_RCVR_ INFO2	Alphanumeric (35)	No	72		Sender to Receiver Information. Should follow the SWIFT standards of Sender Receiver Information

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
SNDR_TO_RCVR_INFO3	Alphanumeric (35)	No	72		Sender to Receiver Information. Should follow the SWIFT standards of Sender Receiver Information
SNDR_TO_RCVR_INFO4	Alphanumeric (35)	No	72		Sender to Receiver Information. Should follow the SWIFT standards of Sender Receiver Information
SNDR_TO_RCVR_INFO5	Alphanumeric (35)	No	72		Sender to Receiver Information. Should follow the SWIFT standards of Sender Receiver Information
SNDR_TO_RCVR_INFO6	Alphanumeric (35)	No	72		Sender to Receiver Information. Should follow the SWIFT standards of Sender Receiver Information
ORDERING_INSTITUTION1	Alphanumeric (35)	No	52		Ordering Institution. Should be present only for Customer Transfers
ORDERING_INSTITUTION2	Alphanumeric (35)	No	52		Ordering Institution. Should be present only for Customer Transfers
ORDERING_INSTITUTION3	Alphanumeric (35)	No	52		Ordering Institution.

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					Should be present only for Customer Transfers
ORDERING_INSTITUTION4	Alphanumeric (35)	No	52		Ordering Institution. Should be present only for Customer Transfers
ORDERING_INSTITUTION5	Alphanumeric (35)	No	52		Ordering Institution. Should be present only for Customer Transfers
ORDERING_CUSTOMER1	Alphanumeric (35)	No	50		Ordering Customer
ORDERING_CUSTOMER2	Alphanumeric (35)	No	50		Ordering Customer
ORDERING_CUSTOMER3	Alphanumeric (35)	No	50		Ordering Customer
ORDERING_CUSTOMER4	Alphanumeric (35)	No	50		Ordering Customer
ORDERING_CUSTOMER5	Alphanumeric (35)	No	50		Ordering Customer
BENEF_INSTITUTION1	Alphanumeric (35)	No	58		Beneficiary Institution. Not allowed for Module FT. Should always be NULL.
BENEF_INSTITUTION2	Alphanumeric (35)	No	58		Beneficiary Institution. Not allowed for Module FT. Should always be NULL.
BENEF_INSTITUTION3	Alphanumeric (35)	No	58		Beneficiary Institution. Not allowed for Module FT. Should always be

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					NULL.
BENEF_INSTITUTION4	Alphanumeric (35)	No	58		Beneficiary Institution. Not allowed for Module FT. Should always be NULL.
BENEF_INSTITUTION5	Alphanumeric (35)	No	58		Beneficiary Institution. Not allowed for Module FT. Should always be NULL.
ULT_BENEFICIARY1	Alphanumeric (35)	No	59		Ultimate Beneficiary. Not allowed for Module FT. Should always be NULL.
ULT_BENEFICIARY2	Alphanumeric (35)	No	59		Ultimate Beneficiary. Not allowed for Module FT. Should always be NULL.
ULT_BENEFICIARY3	Alphanumeric (35)	No	59		Ultimate Beneficiary. Not allowed for Module FT. Should always be NULL.
ULT_BENEFICIARY4	Alphanumeric (35)	No	59		Ultimate Beneficiary. Not allowed for Module FT. Should always be NULL.
ULT_BENEFICIARY5	Alphanumeric (35)	No	59		Ultimate Beneficiary. Not allowed for Module FT. Should always be NULL.
ERI_CCY	Alphanumeric	No			Euro Re-denomination

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
	(3)				Currency
ERI_AMOUNT	Number (22,3)	No			Amount in ERI Currency

7.6.2.4 CFTBS UPLOAD CHARGE

This table contains the details of charges applicable for funds transfer contracts. When the components in this table are validated, the amount of the charge and the waiver is updated. Through this table you can alter the default amount of charge or waive charges totally.

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
BRANCH_CODE	Alphanumeric (3)	Yes			Branch Code – Same as that of FTTB_UPLOAD_MASTER
SOURCE_CODE	Alphanumeric (15)	Yes			Source Code – Same as that of FTTB_UPLOAD_MASTER – Primary Key
SOURCE_REF	Alphanumeric (16)	Yes			Source Reference – Same as that of FTTB_UPLOAD_MASTER – Primary Key
COMPONENT	Alphanumeric (10)	Yes			Component Name or Charge Name should be defined at product level – Primary Key
WAIVER	1 Character	Yes		N	Charge Waive Y-Waived N-Not Waived
AMOUNT	Number (22,3)	Yes			Amount in Tag Currency
ACC_AMT	Number (22,3)	No			
ACC_CCY	Alphanumeric (3)	No			

7.6.2.5 TATBS UPLOAD RULE

This table contains the details of tax applicable for funds transfer contracts. Through this you can waive the default application of tax.

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
BRANCH_CODE	Alphanumeric (3)	Yes			Branch Code – Same as that of FTTB_UPLOAD_MASTER
SOURCE_CODE	Alphanumeric (15)	Yes			Source Code – Same as that of FTTB_UPLOAD_MASTER – Primary Key
SOURCE_REF	Alphanumeric (16)	Yes			Source Reference – Same as that of FTTB_UPLOAD_MASTER – Primary Key
RULE	Alphanumeric (10)	Yes			Tax Rule – Should be defined at the product level - Primary Key
WAIVER	1 Character	Yes		N	Tax Waive Y-Waived N-Not Waived

7.6.2.6 MITBS_UPLOAD_CONTRACT_MAPPING

This table contains the MIS details for the uploaded FT contracts.

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
SOURCE_REF	Alphanumeric (16)	Yes			Source Reference – Should be the same as that of FTTB_UPLOAD_MASTER – Primary Key
SOURCE_CODE	Alphanumeric (15)	Yes			Source Code – Should be same as that of FTTB_UPLOAD_MASTER – Primary Key
BRANCH_CODE	Alphanumeric (3)	Yes			Branch Code – Same as that of FTTB_UPLOAD_MASTER
PRODUCT	Alphanumeric (4)	Yes			Product Code – Should be same as that of FTTB_UPLOAD_MASTER
CUSTOMER	Alphanumeric (9)	Yes			Customer of the contract
RELATED_ACCOUNT	Alphanumeric (20)	No			Oracle FLEXCUBE Account Number for MIS purposes
RELATED_REF	Alphanumeric (16)	No			Oracle FLEXCUBE Transaction Reference Number for MIS Purposes
CCY	Alphanumeric (3)	Yes		Default from Funds Transfer Contract	Currency Code of the contract

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
MIS_HEAD	Alphanumeric (9)	No			Oracle FLEXCUBE MIS Head
POOL_CODE	Alphanumeric (9)	No			Oracle FLEXCUBE MIS Pool Code
RATE_FLAG	1 Character	No			Rate Flag From Pool Code or Contract P- Pool Code R-Contract
REF_RATE	Number (14,7)	No			Oracle FLEXCUBE MIS Refinancing Rate
CALC_METHOD	1 Character	No			Calculation Methods: 30(Euro)/360 30(US)/360 Actual/360 30(Euro)/365 30(US)/365 Actual/365 30(Euro)/Actual 30(US)/Actual Actual/Actual
MIS_GROUP	Alphanumeric (12)	No			Oracle FLEXCUBE MIS Group Code
MIS_GROUP_TXN	Alphanumeric (9)	No			Oracle FLEXCUBE MIS Group

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					Transaction
MIS_GROUP_COMP	Alphanumeric (9)	No			Oracle FLEXCUBE MIS Group Composite
COMP_MIS_1	Alphanumeric (9)	No			Oracle FLEXCUBE Composite MIS Code 1
COMP_MIS_2	Alphanumeric (9)	No			Oracle FLEXCUBE Composite MIS Code 2
COMP_MIS_3	Alphanumeric (9)	No			Oracle FLEXCUBE Composite MIS Code 3
COMP_MIS_4	Alphanumeric (9)	No			Oracle FLEXCUBE Composite MIS Code 4
COMP_MIS_5	Alphanumeric (9)	No			Oracle FLEXCUBE Composite MIS Code 5
COMP_MIS_6	Alphanumeric (9)	No			Oracle FLEXCUBE Composite MIS Code 6
COMP_MIS_7	Alphanumeric (9)	No			Oracle FLEXCUBE Composite MIS Code 7
COMP_MIS_8	Alphanumeric (9)	No			Oracle FLEXCUBE Composite MIS Code 8
COMP_MIS_9	Alphanumeric (9)	No			Oracle FLEXCUBE Composite MIS Code 9

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
COMP_MIS_10	Alphanumeric (9)	No			Oracle FLEXCUBE Composite MIS Code 10
TXN_MIS_1	Alphanumeric (9)	No			Oracle FLEXCUBE Transaction MIS Code 1
TXN_MIS_2	Alphanumeric (9)	No			Oracle FLEXCUBE Transaction MIS Code 2
TXN_MIS_3	Alphanumeric (9)	No			Oracle FLEXCUBE Transaction MIS Code 3
TXN_MIS_4	Alphanumeric (9)	No			Oracle FLEXCUBE Transaction MIS Code 4
TXN_MIS_5	Alphanumeric (9)	No			Oracle FLEXCUBE Transaction MIS Code 5
TXN_MIS_6	Alphanumeric (9)	No			Oracle FLEXCUBE Transaction MIS Code 6
TXN_MIS_7	Alphanumeric (9)	No			Oracle FLEXCUBE Transaction MIS Code 7
TXN_MIS_8	Alphanumeric (9)	No			Oracle FLEXCUBE Transaction MIS Code 8
TXN_MIS_9	Alphanumeric (9)	No			Oracle FLEXCUBE Transaction MIS Code 9
TXN_MIS_10	Alphanumeric (9)	No			Oracle FLEXCUBE

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
					Transaction MIS Code 10
COST_CODE1	Alphanumeric (9)	No			Oracle FLEXCUBE MIS Cost Code 1
COST_CODE2	Alphanumeric (9)	No			Oracle FLEXCUBE MIS Cost Code 2
COST_CODE3	Alphanumeric (9)	No			Oracle FLEXCUBE MIS Cost Code 3
COST_CODE4	Alphanumeric (9)	No			Oracle FLEXCUBE MIS Cost Code 4
COST_CODE5	Alphanumeric (9)	No			Oracle FLEXCUBE MIS Cost Code 5
REF_SPREAD	Number(10,5)	No			Floating Rate Spread for MIS
REF_RATE_TYPE	Alphanumeric (1)	No			Rate Type for MIS X – Fixed Rate L - Floating Rate
REF_RATE_CODE	Alphanumeric (10)	No			Floating Rate Code for MIS. Should be a valid Floating Rate Code

7.6.2.7 CSTBS UPLOAD CONTRACT UDF

This table contains the User Defined Field (UDF) details for the uploaded funds transfer contracts.

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
BRANCH_CODE	Alphanumeric (3)	Yes			Branch Code – Same as that of FTTB_UPLOAD_MASTER
SOURCE_CODE	Alphanumeric (15)	Yes			Source Code – Same as that of FTTB_UPLOAD_MASTER – Primary Key
SOURCE_REF	Alphanumeric (16)	Yes			Source Reference – Same as that of FTTB_UPLOAD_MASTER – Primary Key
FIELD_NAME	Alphanumeric (105)	Yes			Valid Field Name Maintained for the Product – Primary Key
FIELD_VALUE	Alphanumeric (150)	Yes			Value For User Defined Field. Mandatory if maintained as 'Mandatory'. Unique if maintained as 'Unique'.

7.6.2.8 FTTBS UPLOAD EXCEPTION

This table is updated by Oracle FLEXCUBE in case of errors encountered in respect of uploaded contracts, during the upload. As soon as Oracle FLEXCUBE encounters the first error in respect of a record, it is logged in this table, and the Upload function proceeds with the next record.

Only one error is logged in the Exception Table in respect of a single record.

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
BRANCH_CODE	Alphanumeric (3)	Yes			Branch Code
SOURCE_CODE	Alphanumeric (15)	Yes			Source Code – Primary Key
SOURCE_REF	Alphanumeric (16)	Yes			Source Reference – Primary Key
SEQUENCE_NO	Alphanumeric (16)	Yes			Sequence Number of error within the source reference – Primary Key
ERROR_CODE	Alphanumeric (11)	Yes			Oracle FLEXCUBE Error Code
ERROR_CODE_PARAMS	Alphanumeric (128)	No			Parameters responsible for the error
ERROR_MESSAGE	Alphanumeric (255)	Yes			Derived Oracle FLEXCUBE Error Message with parameters substituted.

7.6.2.9 FTTBS UPLOAD LOG

This table is updated by Oracle FLEXCUBE after successful completion of the entire Upload process.

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
BRANCH_CODE	Alphanumeric (3)	Yes			Branch Code
SOURCE_REF	Alphanumeric (16)	Yes			Source Reference – Primary Key
SOURCE_CODE	Alphanumeric (15)	Yes			Source Code – Primary Key
STATUS_FLAG	Alphanumeric (1)	Yes			Status E – Error Not Uploaded H – Contract Put on Hold U – Contract Unauthorized A – Contract Authorized.
STATUS_TIMESTAMP	Date	Yes			Oracle System Date and Time of Latest Upload
CONTRACT_REF_NO	Alphanumeric (16)	Yes			Oracle FLEXCUBE Transaction Reference
OST_ID	Number	Yes			Unique Sequence Number for OST reference
EVENT_STATUS	Alphanumeric (1)	Yes		U	OST Status. Oracle FLEXCUBE should populate with 'U'
EVENT_ERROR_STRING	Alphanumeric	Yes			Oracle

Column Name	Data Type	Mandatory	SWIFT Field	Default Value	Description
	(255)				FLEXCUBE should populate with NULL
PROCESS_ID	Alphanumeric (255)	Yes			Oracle FLEXCUBE should populate with NULL

7.7 Upload of Incoming SWIFT Payment Messages

Oracle FLEXCUBE interfaces with an external system for uploading incoming SWIFT payment messages 103, 200 and 202. The external system writes the incoming messages into the Oracle FLEXCUBE message upload table, marking the status of the messages as 'unprocessed'.

Oracle FLEXCUBE processes the incoming messages in the following manner:

1. The uploaded messages are picked up for processing from the message upload table. The system checks to see that any messages other than 103, 200 or 202 are marked as rejected, with an appropriate reason for rejection. Also, the system checks that the BIC of the Sender of the message is a valid BIC in Oracle FLEXCUBE. If not, the message is rejected and a rejection reason logged.
2. After performing the validations mentioned above, the system loads the incoming messages into the incoming messages queue, and marks the same in the upload table as 'processed'.

8. Straight through Processing - An Overview

8.1 Introduction

The Funds Transfer Module

The Funds Transfer (FT) Module that constitutes a part of Oracle FLEXCUBE is a front office system that handles the processing of all kinds of payments, both local and foreign. These can be initiated by financial institutions or banks for themselves, or on behalf of their customers.

The FT Module is a comprehensive transaction handling and management system, which integrates with the overall system for accounting and messaging pertaining to payments and the relevant charges/taxes and capture of related MIS information. The system handles all the necessary activities during the life cycle of a contract, once it is booked. All the relevant account balances will be updated when Transfers are processed.

The essence of funds transfer transactions (transfer of money and the generation of appropriate messages) is handled comprehensively by this module.

Straight Through Processing

One of the most important features of the Funds Transfer module of Oracle FLEXCUBE is the facility of processing incoming payment messages to their logical end without manual intervention. Even though the term Straight Through Processing (STP) refers to the processing of all sorts of incoming messages (without manual intervention), in this chapter, the term refers to STP of incoming Payment Messages alone.

Payment Messages received from originating Banks through the SWIFT network are received and parsed; the contents of the message together with the static maintenance in the system result in resolution of the contract fields, which then leads to automatic booking of contracts in the system. Straight through processing begins with an incoming payment message (for instance, MT 103 or an MT 202) and ends with an FT contract in Oracle FLEXCUBE, which may be a Customer or a Bank transfer.

A general outline of the sequence of events during a Straight Through Processing cycle in the system is given below:

1. **Message Capture:** Incoming payment messages received from other Banks through the SWIFT network are picked up by Oracle FLEXCUBE and displayed in the Incoming Message Browser.
2. **Message Upload:** This function interprets the messages in the incoming browser and propagates the interpreted messages into the Funds Transfer (FT) Upload tables in the system. The FT upload tables are a set of standard gateway tables through which FT contracts can be uploaded into Oracle FLEXCUBE.
3. **Funds Transfer (FT) Upload:** This is the function which interprets the contents of the FT Upload (gateway) tables and creates Funds Transfer contracts in Oracle FLEXCUBE.
4. **Life Cycle Processing:** Subsequent to the creation of the contracts by the FT Upload function, they can be viewed or processed just as any other FT contract in the system.

The above sequence is explained just to understand the processing logic in Oracle FLEXCUBE. As far as the end user is concerned, all these steps would happen seamlessly as if it were one continuous process, which begins with receiving the message and results in the creation of the resultant FT contract.

The interpretation of an incoming message can lead to the creation of the following types of funds transfer contracts in Oracle FLEXCUBE:

- Incoming Customer Transfer
- Incoming Bank Transfer
- Outgoing Customer Transfer
- Outgoing Customer Transfer with Cover
- Outgoing Bank Transfer
- Internal Transfer

This user manual explains the straight through processing feature exhaustively, taking you through each process in the sequence of events.

9. Maintenance for Straight through Processing

9.1 Introduction

For straight through processing of uploaded funds transfer contracts, you would need to maintain all the reference information that you would typically maintain for normal funds transfer contracts and a few other parameters which are specific to STP.

The basic information to be set up before the STP function becomes fully operational can be broadly classified under:

1. FT Product Maintenance
2. Settlement Instructions Maintenance
3. BIC Directory Maintenance
4. Messaging Maintenance
5. Media Maintenance
6. Queue Maintenance
7. Customer address maintenance
8. Message Format Maintenance
9. Product-Queue Message Type Mapping Maintenance
10. D to A Converter Maintenance
11. STP Error Codes Maintenance (User Defined Error Codes)
12. STP Rule Maintenance
13. Branch-level STP Preferences
14. Upload Source Preferences Maintenance
15. External Account Maintenance (Reconciliation sub-system) Maintenance
16. Overrides Maintenance

9.1.1 Maintaining Funds Transfer Products

A product, in Oracle FLEXCUBE, is a service your bank offers to your customers. The different types of funds transfers that your bank supports could be thought of as products. You would need to maintain products for funds transfer contracts that are initiated through straight through processing. The preferences for such products would need to be defined in the same manner as you would for a normal funds transfer product.

The product maintenance is required for the system to interpret the incoming message and create the appropriate FT contract. Since the STP process invokes the FT upload process, the product becomes one of the most important fields to be derived for creation of the contract upload table.

For more information on setting up products and defining specific preferences and attributes for products used for processing funds transfer contracts, consult the Funds Transfer user manual.

9.1.2 Maintaining Settlement Instructions

For each of the customers or banks (i.e., BIC Codes), you must maintain details of settlement accounts and settlement preferences, which would be used for processing funds transfer contracts being initiated through straight through processing. You must maintain this information for the straight through processing feature, just as you would do for normal funds transfer contracts. These standard instructions would be used when the incoming message itself does not contain the account information for the debit and credit accounts. The actual pick-up of the account is based on the contents of the incoming message itself. Details of this process are described in the discussion of the logic of pick-up of debit and credit accounts.

For more information on the settlements service in Oracle FLEXCUBE, and defining specific settlement preferences and attributes for funds transfer contracts, consult the Funds Transfer user manual.

9.1.3 BIC Directory

You will need to maintain the Bank Identifier Codes for the banks, just as you would do for normal funds transfer processing.

For more information on BIC Codes, consult the Funds Transfer user manual.

9.1.4 Messaging Maintenance

9.1.4.1 Media Maintenance

Advices and messages are generated at the specified events in the lifecycle of funds transfer contracts. You should maintain the different media through which these advices and messages would be generated (from and to your bank).

At your bank, you can only receive or route messages through a media that you have maintained in Oracle FLEXCUBE. These specifications can be made only at the main branch and will be applicable to all the branches of your bank.

You must maintain the media that would be used for generation of advices and messages relating to funds transfer contracts that have been initiated through straight through processing, in the Media Maintenance screen.

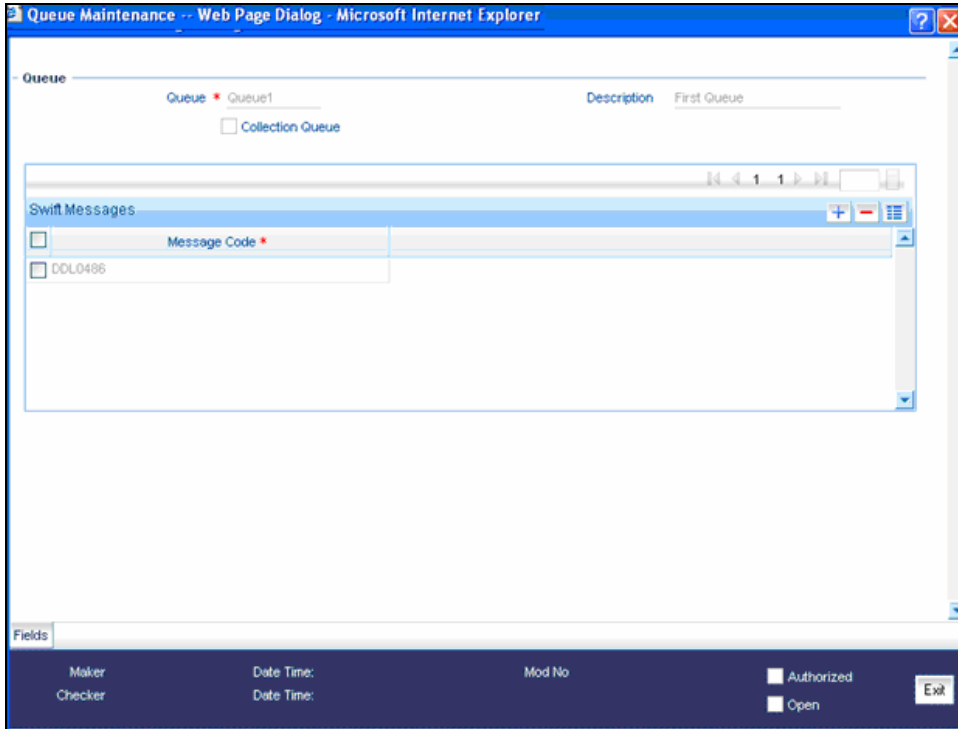
In the context of STP, the relevant media type for which STP function is supported would be SWIFT.

For more information about the Media Maintenance screen and the messaging system module, consult the Messaging System user manual.

9.1.4.2 Queues Maintenance

As discussed earlier, all Incoming SWIFT and Non Swift Messages are routed through a messaging queue. You are therefore, required to maintain the different user queues to which incoming messages will be directed. Users with appropriate rights will be allowed to access a particular queue.

To invoke this screen, click on Messages in the Application Browser, select Queues and click on Detailed under it. You can invoke the 'Message Queue Maintenance' screen by typing 'MSDQUEUE' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.



In this screen you can capture the following details for a queue:

- A name to identify the queue uniquely throughout the system.
- A short description of the queue
- The codes of various SWIFT and Non SWIFT messages that would be routed to this queue.
- If the unique queue you are maintaining is a collection Queue, select collection queue flag.



The codes of various SWIFT and Non SWIFT messages list in the grid is not applicable for the collection queue.

You can assign a message to more than one messaging queue. At the time of maintaining rules for a message (discussed in the subsequent sections of this document), you can select the appropriate queue for each rule from the list of queues to which the message is linked.

As and when an Incoming SWIFT and Non SWIFT Common Payment Gateway Messages satisfy a particular rule, the system will automatically route it to the relevant queue associated with the rule. The product and other associated details (maintained at the product mapping level, discussed later) defined for the branch; queue and message type combination will be made applicable to translate the Message into a normal FT Contract.

Select 'Add' from the Actions menu in the Application tool bar or click add icon to add a message to the queue being defined. To remove a message from the queue, Select 'Delete' from the Actions menu in the Application tool bar or click delete icon.

9.1.4.3 Customer Address Maintenance

As mentioned earlier, the messages and advices that are sent to the customers of your bank can be transmitted through different media types. You will need to maintain the address details for each media type. In the STP context, the relevant media type would be SWIFT. You can maintain multiple addresses for each media type. The unique location specified for each address will help you to differentiate between one address of a customer and another for a given media type. These details are captured in the 'Customer Address' screen.

For more information about the Customer Address Maintenance consult the Messaging System User Manual.

9.1.4.4 Message Format Maintenance

The advices that are generated from your bank will have a definite format. In the Advice Format Maintenance screen you can specify formats and indicate the messages and advices that should use the formats you have defined.

By maintaining message formats you can ensure consistency across the branches of your bank.

Message formats are maintained at the bank level and will be applicable to all the branches of your bank.

For each message format, you can specify the following details:

- A unique code to identify the format
- The number of lines that should be contained in a page when the advice is printed
- The number of columns that should be contained in a page when the advice is printed
- The language of the message
- The form type attached to the format

For more information about message formats, refer to the chapter 'Maintaining Advice Formats' in the Messaging System User Manual.

9.1.5 Mapping Message Types to Products and Queues

You must also map the message types and queue combinations to the relevant funds transfer products / product types / instrument types that you create, for straight through processing. This can be specified in the Product Mapping Screen, for each branch.

For each product / product types / instrument type, you must specify the message types, with details such as whether the messages would be incoming or outgoing and whether a cover is required.

From the Application Browser, you can invoke the Product Mapping Detailed screen.

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

Through this screen, you can map a message type to a product / product type / instrument that you have created in Oracle FLEXCUBE thereby supporting creation of instrument transactions and mapping of message queues for instrument types.

The screenshot shows a web page dialog titled "Message Product Mapping Maintenance -- Web Page Dialog". The form includes the following fields and controls:

- Branch * (text input)
- Message Type * (text input)
- Product * (text input)
- Cover Required * (dropdown menu, currently set to "No")
- Branch Description (text input)
- Queue * (text input)
- Product Description (text input)
- Direction Flag * (dropdown menu, currently set to "Incoming")
- On Number Beneficiary:
 - Suspense
 - Repair
- UDF section:
 - Input By: ELIZA1
 - Authorized By: (empty)
 - Date Time: (empty)
 - Date Time: (empty)
 - Modification Number: (empty)
 - Open:
 - Authorized:
- Cancel button


In the Product mapping screen on indicating the branch and message type you can map a product / product type / instrument to the combination.

All messages belonging to the 'type' you have indicated will be enriched with attributes defined for the product to which it is mapped.

Queue

For a branch, message and product combination, you can also specify the messaging queue to which the messages should be routed. As discussed earlier, you can assign multiple queues to a message type. All the queues defined for a message is available in the option-list. Select the appropriate queue from the list.

At the time of maintaining rules for a message type, you will indicate the queue to which the message must be routed, if it satisfies the rule being defined. The STP process will then associate the payment message with the product (and other related details) mapped to the queue to which it is routed and will subsequently process the payment transaction.

 You can map a message type with different funds transfer products and maintain unique preferences for each branch, message and product combination. Depending on the message type, the appropriate product will be picked up for creating the FT contract.

Cover Required

Whether a cover is required or not is decided based on the settlement instructions maintained for the party to which the onward message is sent.

Based on whether a cover needs to be sent to the reimbursement bank along with the payment message the appropriate FT product is selected for creating an FT contract.

Direction Flag

Specify whether the message for which you are maintaining details will result in an incoming FT or an outgoing FT.

Depending on your specification here the appropriate product will be picked up by the upload process and an FT Contract will be generated automatically.

Product

The system displays the FT product for creating an FT contract. It is selected on the basis of the requirement to send a cover to the reimbursement bank along with the payment message.

9.1.5.1 Indicating Preferences when Message Carries No Information of Beneficiary

For your branch, you can indicate how Oracle FLEXCUBE should handle S.W.I.F.T. messages that do not carry information on the ultimate beneficiary and Non SWIFT Common Payment Gateway. The options available for SWIFT Messages that do not carry beneficiary information are:

- Suspense
- Repair

If you indicate Suspense, the transfer amount indicated in the MT100, MT 103 or MT 202 is posted to suspense GL of your bank. This is applicable only when the incoming message results in an incoming Funds Transfer. In other words, your bank should be the last stop in the transfer route.

When you receive adequate information on the beneficiary, you can transfer the funds posted to the suspense GL to the customer account by liquidating the transfer. If you indicate 'Repair', the message will not be processed, and will be placed in 'Repair' status.

The preference that you stated for your branch in the Product Mapping detailed screen is defaulted. You can change the default to suit the current upload session.

9.1.6 D to A Converter Records Maintenance

An incoming SWIFT payment message may contain information regarding parties involved in a funds transfer, in the 'D' format, i.e., names and addresses, instead of the appropriate BIC Codes (or the 'A' format).

You can maintain mappings, which translate the 'D' formats to 'A' formats (BIC codes), which the STP process can use while processing. These details are known as converter records. These are maintained in the 'D to A Converter Maintenance' screen invoked from the Application Browser.

You can invoke the 'D to A Converter Maintenance' screen by typing 'ISDDACNV' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

When an incoming SWIFT payment message contains party information in the form of names and addresses (D format), the STP function uses the converter records to derive the BICs (A format) for the parties involved in the funds transfer.

The STP function replaces the name and address information (D format) in the message with the corresponding BIC (A format), picked up from the converter record.

The name and address information contained in the incoming SWIFT message will be matched exactly, line for line, literally and without case sensitivity, with the address lines information in the converter record to fetch the corresponding BIC to be used by the STP function.

Example

The BIC for United Bank, New York is UNBKNYUS. You have maintained the following address details for the BIC Code UNBKNYUS:

United Bank
 Wister Street
 New York
 USA

In an incoming SWIFT payment message, the information in the field 57D (Account with Institution) contains the following details:

: 57D: United Bank
 Wister Street
 New York
 USA

The STP function matches this information with the details maintained for the BIC UNBKNYUS, and converts the field contents as shown below:

: 57A: UNBKNYUS

In another incoming message, the information in field 57D is as follows:

: 57D: United Bank
USA

The STP function will not convert this information using the converter record, as it does not literally match, line for line, with the address details maintained in the converter record.

As a convenience feature, Oracle FLEXCUBE also allows you to Copy the 'D' field from an incoming message' and 'Paste' it onto the Converter Record.

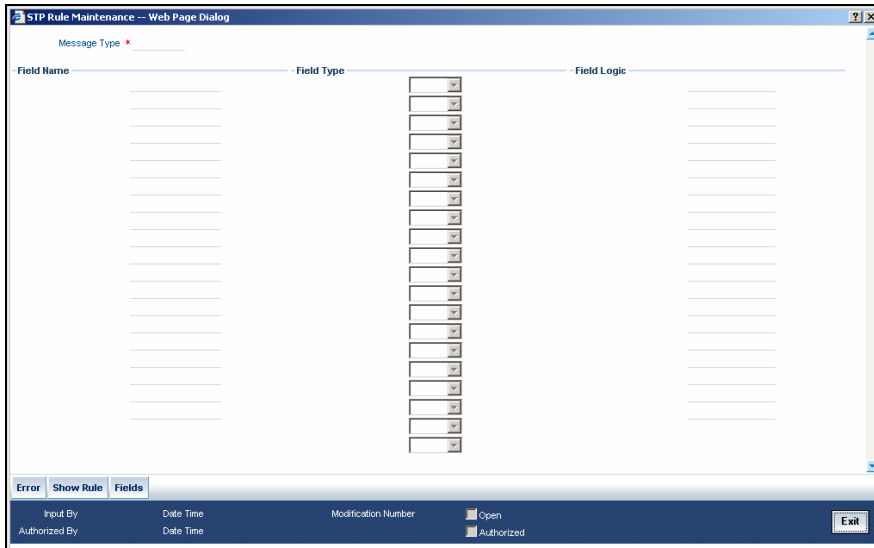
9.1.7 **STP Rule Maintenance**

In addition to the core processing logic that has been built into the system for processing SWIFT and Non SWIFT Common Payment Gateway Payment Messages, Oracle FLEXCUBE also allows you to maintain certain rule based processing logic and status control on the Incoming Messages, based on the contents of specific fields of the message.

Just as you define custom fields (User Defined Fields - UDF) to be associated with the various Oracle FLEXCUBE Products and Function Ids (Maintenance screens), you can also maintain UDFs for each Incoming Message (MT 100, MT 103, MT 200, MT 202). Based on your requirement, you can specify the default values (derived from field logic) and validations for the UDF. The system will validate all the entries made to the field of an Incoming Message against the validations (rules) you define for a field. All unprocessed messages in the Incoming Message Browser will be assigned a status (Repair, Pending Cover Match or Suppress) depending on the rules that you maintain for each message.

You can define the STP related fields (UDFs) and assign values to it in the 'User Defined Fields for SWIFT Messages' invoked from the Application Browser.

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



Message Type

Maintain UDFs for the following SWIFT Payment Messages:

- MT 103
- MT 103+

- MT 200
- MT 202

Specify the message for which you want to define the Rule based on which the STP will process the same.

Field Name

Specify a unique name to identify a field that you define. The STP process will get the value of the field from the logic specified in the 'Field Logic' column and will validate the entries made to these fields based on certain pre-defined conditions. You can use a maximum of 16 characters to assign a name to the UDF being defined.

Field Type

The type of field that you can create can be of the following formats:

- Number — Select this option to create a Numeric field
- Text — Select this option to create a Text field
- Date— Select this option to create a Date field

Field Logic

The value of the field (UDF) being defined for a message type is derived based on the logic that you specify here. The value derived thus is subsequently validated against the rules maintained for the UDF.

The tags and the syntax for using these in the 'Field Logic' are as follows:

TAGS	SYNTAX	Value of the Field
@SENDER	@VALUE:=@SENDER()	Sender of the Message
@BIC	@VALUE:=@BIC('TAG')	BIC code of the tag contained within quotes, for example, @BIC('57')
@ACC	@VALUE:=@ACC('TAG')	Account number specified in the tag
@TAGVALUE	@VALUE:=@TAGVALUE('TAG')	The value of the tag specified
@AMT	@VALUE:=@AMT(3)	The amount in the field 32
@CCY	@VALUE:=@CCY(2)	The currency of the transfer
@VALDT	@VALUE:=@VALDT(1)	The value date of the transfer
@TRAILER	@VALUE:= @TRAILER	The trailer of the message
@HEADER	@VALUE:= @HEADER(3);	To get the value of tag 119 in block 3

Depending on the value of the UDF (obtained from the Field Logic), you can define additional conditions (or rules) to process the message. You can also specify a status for each condition. If a particular condition is satisfied, the system will automatically assign the corresponding status to the message.

The following example illustrates this:

Example

Midas Bank wants to process the Incoming SWIFT Message, MT 202 based on information regarding the sender of the message. Further, the bank also wants to validate the message based on the following conditions:

- If the message carries no information regarding the sender, it should be assigned to the 'Repair' status.
- Suppress the message if the sender of the message is not Citibank.

To achieve this, you can:

- Define an UDF 'SENDER',
- Specify the Field Type as 'Text',
- Write a code to check for the presence of information regarding the sender of the message
- Specify the conditions for the UDF based on which the message will be processed.

Condition 1

Condition: 'SENDER = NULL'

Result: TRUE

Status: REPAIR

Condition 2

Condition: 'SENDER='CITIBANK'

Result: FALSE

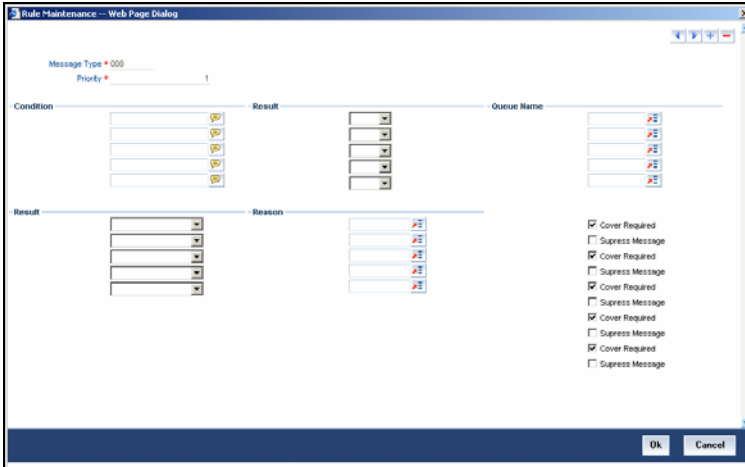
Status: SUPPRESS

The STP process will first read the MT 202 payment message and check for the presence of information regarding the sender. If found, the process will automatically assign the value derived from the message, to the UDF 'SENDER'.

The system will then check for the validity of the conditions.

- If the first condition returns a 'TRUE' value i.e. the message carries no information regarding the sender, it will be assigned to the 'Repair' queue.
- If the second condition returns a 'FALSE' value i.e. sender of the message is not Citibank, the STP process will assign the status 'Suppress' to all MT 202's received from senders other than Citibank.

To define the conditions for a message, click 'Show Rule' button in the 'User Defined Fields for SWIFT Messages' screen. The 'Rule Maintenance' screen is displayed.



If you expect user interaction for the Non Swift Message, choose 'Waiting for Queue change' as the Status.

The Message Type is defaulted from the previous screen.

Priority

For a particular message type, you can define multiple conditions to validate the UDF's based on which the message is assigned a particular status. Each set of five conditions will be associated with a priority number. The system automatically assigns the next available priority number to the next set of five conditions. If a condition with a higher priority level is satisfied, the status associated with that condition is assigned to the message.

Select 'Add' from the Actions menu in the Application tool bar or click add icon to specify the next set of conditions. To remove a set of conditions, select 'Delete' from the Actions menu in the Application tool bar or click delete icon.

Conditions

Using the tags mentioned above, you can specify the following conditions for processing the Incoming SWIFT and Non SWIFT Messages:

1. **@EXISTS:** Depending on your requirement, you can use this tag to check for the existence of a specific field in the Incoming SWIFT Message. For instance, you may want to check for the presence of field 56 in the message. If present, the function will return 'TRUE'. If the field is not present in the message, it will return a 'FALSE' value
2. **@BIC:** This function will check for the presence of the BIC code in the party information fields of the message. It will then validate the BIC and if found valid will assign it to the field (UDF) for which you are defining the condition. For instance, you may want all incoming MT100 messages with 'BMRLUSLY' in field 57 to be routed to Queue 'XYZ' with the status as 'Repair'. For this you will need to maintain the following details:
 1. Define an UDF '57BIC'.
 2. Specify the field logic as '@VALUE: =@BIC ('57)'
 3. Maintain the condition as 'UDF_57BIC='BMRLUSLY'
 4. Assign the result as 'TRUE'.

This Rule will ensure that any Incoming MT100 with 'BMRLUSLY' in field 57 is routed to the queue XYZ with a status as Repair.

3. @ACC: Likewise, this function will check for the account no. of the party initiating the transaction. If the field exists, the system will validate the account no. before assigning it to the UDF.
4. @TAGVALUE: This will assign the value of a specific field of the SWIFT message to the UDF. For example, you may want to suppress all MT 100 messages with 'CITI001' in field 56A (Intermediary). For this you will define:
 1. Define an UDF, VAL56.
 2. The field logic as '@VALUE:=@TAGVALUE('56A')
 3. Specify the condition as UDF_VAL56 = 'CITI001'
 4. Assign the result as 'TRUE'
 5. This will ensure that all MT 100 messages with 'CITI001' in field 56A are assigned with the 'Suppress' status.
5. @OCCVALUE: Some fields of the SWIFT message may contain more than one line of information. You can use this function to check and assign the value of such fields to the UDF.
6. @NUMOCC: Using this function, you can track the number of times a particular field appears in the SWIFT message. For instance you may want to route all MT 100 messages to the 'Pending Cover' queue if field 32A is present only once in the message. For this you can maintain the following:
 1. Define an UDF 'OCC01'.
 2. Specify the field logic as '@VALUE: =@NUMOCC('32A')
 3. Maintain the condition as 'UDF_OCC >1'.
 4. Assign the result as 'FALSE'.
 5. This Rule will ensure that all MT 100 messages will be routed to the 'Pending Cover' queue if field 32A has occurred only once in the message.
7. @AMT: This function will assign the value of the transaction amount, if present in field 32 of the SWIFT message to the UDF that you have defined.
8. @CCY: Similarly, you can use this function to assign the transaction currency as the value of the UDF being defined and subsequently define a condition to suit your requirement.
9. @VALDT: This function will assign the value date of the transaction, if present in the SWIFT message, to the UDF.
10. @SENDER: This function will assign the name of the sender of the message to the field being defined.
11. @TRAILER: This function will check for the trailer in the message and assign the value of the trailer to the UDF.
12. @MT: This function will identify the type of message being received.
 1. To assign the value of a field in the Common Payment Gateway Rule Maintenance, the following will be used:
AWI = @VALUE:=@PYMTGATEWAYFIELD('ACC_WITH_INSTN1');
13. @HEADER: This function will retrieve the value of tag 119 in block 3

Result

Select multiple conditions for validating the value (derived from the Field logic) of an UDF. Each condition can be assigned one of the following values:

- TRUE
- FALSE

Queue Name

Choose the queue, to which a message will be routed if a particular condition is satisfied. As discussed earlier, you can specify multiple queues for a message. All the queues maintained for a specific message will be available for selection in the form of an option-list. Select the appropriate 'Queue Name' from the list.

Status

Each condition that you define can be associated with a status. If a condition is satisfied, the status defined for that condition will be assigned to the Incoming Message. The following statuses are available for selection:

- Repair
- Pending Cover Match
- Suppressed

Repair Reason

In case you choose to assign the status as 'Repair', you can indicate the reason for repair. Select the appropriate error code from the option list.



The 'Repair Reason' field is enabled only if you have chosen the status as 'Repair'.

The repair reason that you can assign is in turn user definable, as explained below.

9.1.7.1 Maintaining Error Codes

You can invoke the 'Error Message Maintenance' screen by typing 'ISDBICPU' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

The screenshot shows a web browser window titled "Error Messages Maintenance -- Web Page Dialog". The window contains several input fields: "Error Code *" (text box), "Language *" (dropdown menu), "Description" (text area), "Message" (text box), and "Type *" (text box). At the bottom of the window, there is a status bar with the following information: "Input By ELIZA1", "Authorized By", "Date Time", "Modification Number", "Open" (checkbox), "Authorized" (checkbox), and "Ok" and "Cancel" buttons.

In the Error Messages screen, you can maintain your own error codes and appropriate messages. These will be displayed during message upload if that particular condition (for which the error message is mapped) occurs.

You can specify the following details for an error message:

- The language in which the message is to be displayed and its short description.
- A unique code to identify the error throughout the system
- The text of the message
- The function Id
- The number of parameters that can be taken
- The type of message - Error, Override or Ignore
- The type of message occurred while running a batch - Error, Override or Ignore
- Whether confirmation is required from the authorizer for the error or override

9.1.8 Specifying Branch Details

Specify the details pertaining to the branch for converting the old error code to a new one for a branch based on the Function Id.

Branch Code

Specify the code of the branch for which you want to map update the error code.

Old Error Code

Specify the old error code that needs to be replaced with the new one.

New Error Code

Specify the new error codes that with which you want to replace the old one.

Function Id

Specify the Function Id on the basis of which you want to replace the error code.

9.1.9 Indicating 'Pending Cover Match'

If you wish to defer processing of a message till receipt of a cover, based on certain criteria, then you can select the 'Pending Cover Match' status for that condition. If that condition is encountered, Oracle FLEXCUBE will update the message status to 'Pending Cover Match' and process the payment only after receipt of the cover.

9.1.9.1 Processing MT103/MT202/MT200

When the system receives an MT103/MT202/MT200, it will process the message based on the STP Rule you have defined for the same.

If, as per the rule, the message moves to a queue which requires 'Cover Matching', it will be marked as 'Pending Cover Match'. Subsequently, as mentioned above, when the Cover message is received, the system will process the original MT103/MT202 message.

If the Queue is mapped to a PC Product Category then a PC Contract will be created. The 'PC Message Mapping' screen will be used to map the message fields to the PC Contract fields.

While processing an incoming MT200, the system checks for the following:

- Whether AWI in the incoming message is different from the receiver of the message

If the BIC of the receiver and the AWI are same then the transaction is treated as the transaction ending with us. If this condition is not satisfied, the system will not upload this incoming message which would further result in the generation of outgoing MT205.

Incoming MT101 Processing of Incoming MT101

- System would check the execution date. Messages with execution date in the past or matching the application date would be taken up for processing. Messages with execution date in the future would be stored as unprocessed messages & would be taken up on the execution date. If the execution date falls on a holiday, these would be taken up for processing on the previous working day.
- Individual transactions in the MT101 would be uploaded into Common Payments Gateway.
- Individual transactions would undergo a product code resolution via the STP rule maintenance.
- Individual transactions in the message would be booked as FT or PC contracts in the system.

Accounting

- In case of a single debit to the customer account is required, system would debit the total amount from the Ordering Customer's account upfront and the corresponding credit would be posted to a suspense GL.
- In case of multiple debits to the customer account, system would post accounting entries to the customer account directly.

By routing the transaction to the appropriate module & product, without manual intervention system will be capable to interrupt the following instruction codes and also book appropriate transactions

- NETS (payment settled via Net Settlement)
- RTGS (payment should be settled via RTGS)
- CHQB (pay beneficiary by cheque)

Transactions View

- The Common Payment Gateway Summary Screen can be used to view all transactions of an incoming MT 101 message for the sender's reference number.

9.1.9.2 Incoming MT201

MT201 message is for Multiple Financial Institution Transfer for its Own Account. The Incoming MT201 message is processed in the same manner as MT203. The Incoming MT201 is split into individual MT200 messages and then these generated MT200 messages are processed as individual MT200.

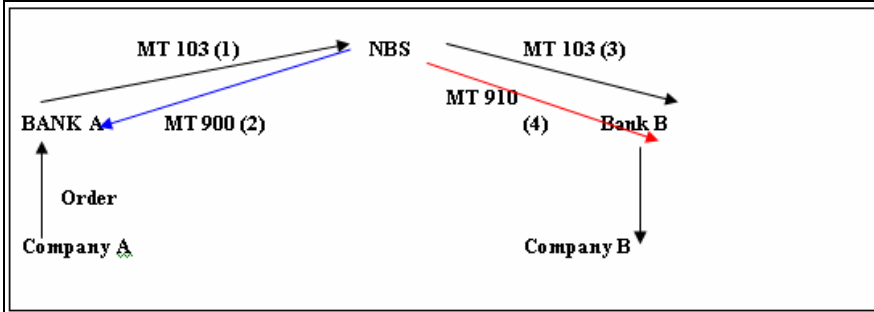
Refer the 'Maintenance' chapter of the Payment & Collections (PC) User Manual for details on mapping the SWIFT tags to the PC contract fields.

Let us understand the processing of different messages for various types of transactions through few examples:

Case 1:

The following example illustrates the successful processing of **MT103** in the system.

Assume Company A orders Bank A to pay Company B's account in Bank B. The diagram depicts the transaction and message flow in the system.



Once the PC transaction is booked and if the product is an RTGS product, the system processes the transaction in the following sequence:

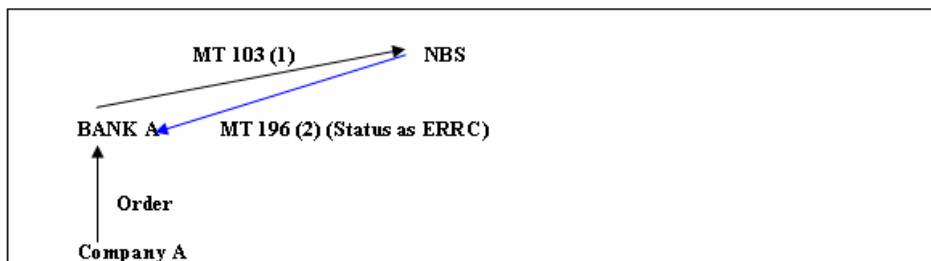
- First the system generates an MT103 with the funding status of the message as 'WAIT' and Reply Status as NULL.
- Secondly, NBS which is the RTGS servicing bank sends an MT900. This MT900 puts the MT103 funding status as 'FUNDED' and the funds are debited from Bank A's account in NBS.
- Thirdly, NBS then sends an MT103 to Bank B. If the message has to wait for the MT910 to be processed, then the message is in a 'Pending Cover Match' status. If the message need not wait for the MT910 to be processed, the MT103 will be processed as a PC transaction.
- Next, NBS credits the Bank B's account and then sends out an MT910 message to Bank B. Bank B then tries to process this MT910 as a cover message. If it does not find a matching transaction, it suppresses the same.

Thus, a payment initiated from Bank A is successfully processed in Bank B.

Case 2:

The following example illustrates the processing **MT103** in case of insufficient Funds in Initiating Bank.

Assume Company A orders Bank A to pay Company B's account in Bank B. The diagram below depicts the transaction and message flow in the system.



Once the PC transaction is booked and if the product is an RTGS product, the system processes the transaction.

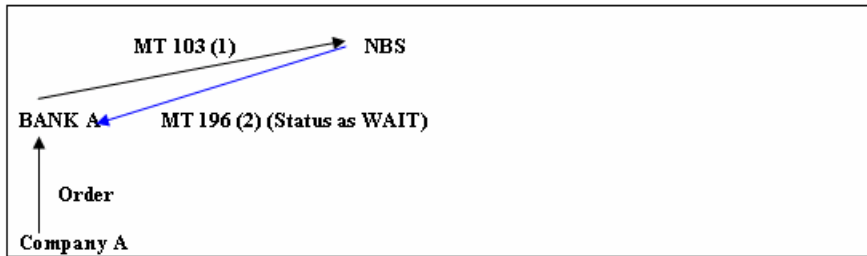
When a payment initiated from Bank A is rejected by NBS for lack of funds, the message is processed in the following manner:

- First the system generates an MT103 with the funding status of the message as 'WAIT' and the Reply Status as 'NULL'.
- Subsequently, NBS which is the RTGS servicing bank sends an MT196 message. If the status of MT196 is 'ERRC', then the original transaction is reversed. The Funding Status of the Original MT103 is updated to NON-FUNDED and the Reply Status of the original MT103 is updated to 'CANC'.

Case 3:

The following example illustrates the processing of **MT103** message which is in Wait State.

Assume Company A orders Bank A to pay Company B's account in Bank B. The diagram below depicts the transaction and message flow in the system.



Once the PC transaction is booked and if the product is an RTGS product, the system processes the transaction.

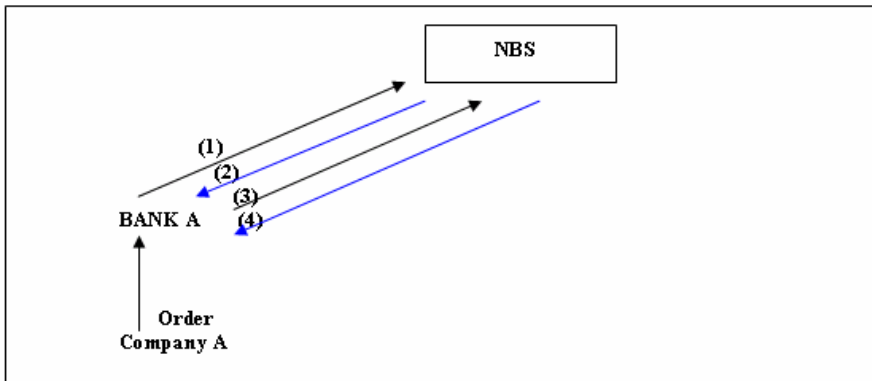
When a payment initiated from Bank A is in the wait status in NBS, the message is processed in the following manner:

- First the system generates an MT103 with the funding status of the message as 'WAIT' and the Reply Status as 'NULL'.
- Consequently, NBS which is the RTGS servicing bank sends an MT196 message. If the status of the message MT196 is 'WAIT', then the system marks the Reply Status of the original MT103 message as 'WAIT' state.

Case 4:

The following example illustrates the **MT195** check carried out for **MT103** message in Wait State.

Assume Company A orders Bank A to pay Company B's account in Bank B.



Let us assume the following:

- MT103 is sent from Bank A to NBS
- NBS sends an MT196 with a wait state
- Bank sends an MT195 to check the status of the 103
- NBS sends an MT196 with a wait state

Once the PC transaction is booked and if the product is an RTGS product, the system processes the transaction. When a payment initiated from Bank A is in the wait status in NBS and subsequent checking from the Bank on the status of the message, the processing for the message is done in the following sequence:

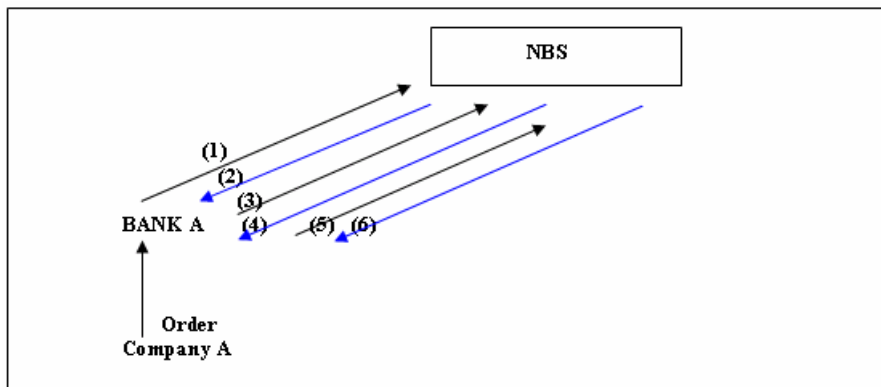
- First the system generates an MT103 message with the funding status 'WAIT' and the Reply Status as 'NULL'.
- Subsequently, NBS which is the RTGS servicing bank sends an MT196. If the status of the MT196 is 'WAIT' then the Reply Status of the original MT103 is marked as 'WAIT' state.
- The bank then sends an MT195 to verify the status of the MT103 message.

- Finally, NBS sends an MT196. If the status of this MT196 is 'WAIT' then the reply status of the MT195 is marked as 'WAIT' state.

Case 5:

The following example illustrates the process in which **MT192** request for cancellation of the **MT103** in Wait State is handled in the system along with the approval of cancellation by NBS.

Assume Company A orders Bank A to pay Company B's account in Bank B. The diagram below depicts the transaction and message flow in the system.



Let us assume the following:

- MT103 is sent from Bank A to NBS
- NBS sends an MT196 with a wait state
- Bank sends an MT195 to check the status of the 103
- NBS sends an MT196 with a wait state
- Bank sends an MT192 requesting for cancellation of the 103
- NBS sends an MT196 indicating Success for the request for Cancellation.

Once the PC transaction is booked and if the product is an RTGS product, the system processes the transaction.

- The system generates an MT103 with the funding status as 'WAIT' and the Reply Status as 'NULL'.
- NBS which is the RTGS servicing bank sends an MT196. If the status of this MT196 is 'WAIT', then the Reply Status of the original MT103 is marked as 'WAIT' state.
- Then an MT195 is sent to verify the status of the MT103 message.
- NBS sends an MT196 and if the status of MT196 is 'WAIT', then the reply status of the MT195 is marked as 'WAIT' state.
- The bank sends out an MT192 requesting for cancellation of the MT103 message sent earlier.
- NBS sends out an MT196 message indicating that the Cancellation request is accepted. The system then reverses the original transaction. The Funding Status of the original MT103 is marked as 'NON-FUNDED' and the Reply Status of the MT192 is marked as CANC.

9.1.10 Selecting 'Suppress Message' Option

If you choose the 'Suppressed' status, the incoming message itself gets suppressed. The Oracle FLEXCUBE STP process will not pick up SWIFT Payment Messages with a Suppressed status for further processing.

If a message is in repair, you can pre-define two possible statuses to which the message would go after the message is manually repaired. These are indicated by the two check boxes viz.:

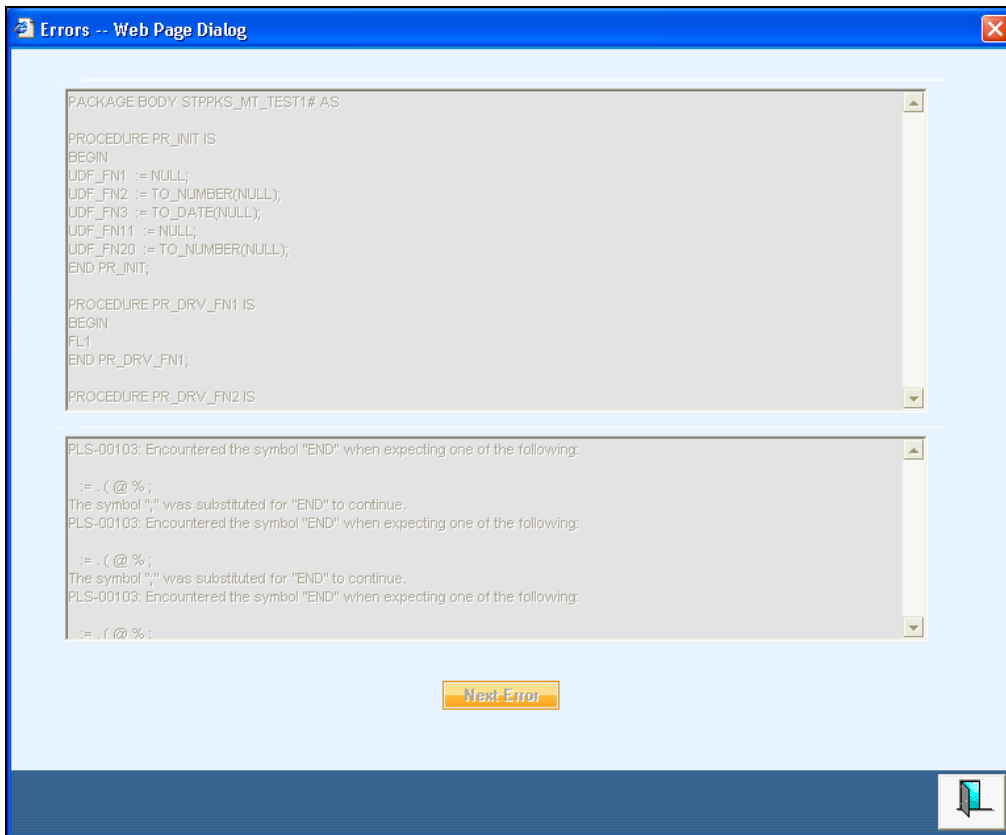
- Cover Required
- Suppress Message

If 'Cover Required' flag is checked, the message would move to the 'Pending Cover Match' status after repair of the message, while if the 'Suppress message' flag is on, the payment (post-repair) would be processed normally, but the resultant outgoing messages would be suppressed.

Viewing Errors

After you specify the logic for deriving the value of an UDF, it will be validated by the system (on Save of the Rule maintenance). The system automatically generates a procedure based on the logic specified by you and if any checks fail, you can view the errors in the 'Errors' screen invoked from the 'User Defined Fields for SWIFT Messages' screen. The statement containing the error will be highlighted for easy identification. You can return to the previous screen and alter the statement so that the validations are carried out successfully.

Click 'Error' button to view the errors.



9.1.11 Maintenance Related to Upload Source

FT contracts can be uploaded onto Oracle FLEXCUBE from any external source. However, the details that come in the form of SWIFT messages are converted to data in the FT Upload tables by the Message Upload function, from where the FT Upload function picks them up for processing.

When you maintain details of a source, you can also specify characteristics for contracts coming into the FT Upload tables from the source. Besides defining the operations that can be performed on contracts uploaded from the source, you can also define the status that uploaded contracts should be marked with.

Upload sources can be maintained at the Head Office level and propagated to the branches of your bank.

The maintenance of upload sources helps to retrieve information for a given source.

The procedure for maintaining details of an upload source has been discussed under the head 'Maintaining upload sources', in the Batch Upload chapter of the Funds Transfer user manual

9.1.12 Maintaining Branch-Level STP Preferences

You can maintain preferences for contracts uploaded by the FT Upload process, to be applicable based on the branch that is initiating the upload. The following preferences can be set:

- How contracts for which no Beneficiary has been resolved must be handled
- Whether the contracts must be uploaded as authorized or unauthorized contracts.
- How contracts in respect of which errors and / or overrides are encountered during upload.

To set up the branch-level preferences, to be applicable for uploads, for a branch and message type combination, you can use the STP Branch Preferences screen.

You can invoke the 'STP Preferences' screen by typing 'MSDSTPRF' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

The screenshot shows a web-based dialog box titled "STP Preferences Maintenance -- Web Page Dialog". It features several input fields and dropdown menus for configuring preferences. The fields include "Branch Code *", "Branch Name", and "Message Type *". Below these are four dropdown menus: "Post Upload Status" (set to "Authorised"), "When No Beneficiary" (set to "Use Suspense"), "On Override" (set to "Ignore"), and "On Error" (set to "Reject Record"). At the bottom, there is a "Fields" tab and a status bar with fields for "Input By ELIZA1", "Date Time", "Modification Number", "Open" (checkbox), "Authorized By", "Date Time", "Authorized" (checkbox), and a "Cancel" button.

In this screen, you can maintain the preferences to be applicable for uploads initiated in:

- All branches and applicable for all message types (this setup can be done at the head office branch only).
- All branches and applicable for a specific message type (this setup can be done at the head office branch only).
- For a specific branch, applicable for a specific message type
- For a specific branch, applicable for all message types

You can maintain the following preferences:

- The status of the contract on successful upload (Post Upload Status). This could be :
 - Authorized – The uploaded contract is created as an authorized contract if all validations are successful

- Unauthorized – The uploaded contract is created as an unauthorized contract if all validations are successful.
- On Hold– The uploaded contract is put on ‘Hold’ if all validations are successful.
- How errors encountered in respect of contracts during upload, would be handled (On Error). You can specify any of the following options:
 - Put on hold – The message is marked as processed but the created contract is placed on ‘Hold’.
 - Reject Record – The message is marked for repair and no contract is created.
- How overrides encountered in respect of contracts during upload, would be handled (On Error). You can specify any of the following options:
 - Put on hold - The message is marked as processed but the created contract is placed on ‘Hold’.
 - Ignore – The message will be marked as processed but the created contract will be created based on the Post Upload Status.
 - Reject Record – The message is marked for repair and no contract is created.
- How incoming funds transfers in respect of which the beneficiary is not found, are handled during upload. You can specify any of the following options:
 - Use Suspense – If the Beneficiary is not found, the DAO GL defined for the product of the contract is used.
 - Repair - The message is marked for repair and no contract is created



Note the following:

- These preferences are applicable only for the FT Upload process, and not the message interpretation process or the Message Upload process.
- ‘When No Beneficiary’ is not applicable in case of Non SWIFT incoming payment message.

9.1.13 External Account Maintenance

This maintenance is part of the Reconciliation module of Oracle FLEXCUBE. This is used to map the nostro accounts in your Bank’s books to the actual account numbers in the books of you Correspondent Banks.

The procedure for maintaining details of External Accounts has been discussed in the Reconciliation Module user manual

9.1.14 Overrides Maintenance

The STP process (apart from the User defined Error Codes) also checks for various error conditions based on the contents of the message and their interpretation during the processing of the message., for instance limit checks, available balance checks, dormant account checks, etc. The actual result of the upload (whether it fails with an error or goes through with an override) depends on the configuration of the error codes.

10. Straight through Processing – Sequence of Events

10.1 Introduction

To recall, straight through processing of funds transfer contracts begins with an incoming SWIFT message, which is displayed in the Incoming Message Browser.

The Messages sub-system of Oracle FLEXCUBE receives SWIFT messages, and stores them in the incoming directory. The STP function then reads these messages and begins processing them.

After the Messaging system stores incoming SWIFT messages in the incoming directory, the STP function executes the following sequence of events:

1. Reads the message from the incoming directory and displays it in the Incoming Browser. At this stage, the message is not interpreted or resolved, and the contract details have not been extracted yet. Also, you can view the details of the message in the incoming browser at this stage.
2. The Message Upload function then interprets the message, extracting the contract details. These details are propagated into the Funds Transfer (FT) Upload tables in the system. These tables, therefore, store the extracted details of the contracts contained in the incoming SWIFT messages. Any default information is appended, and if any message has been rejected for any reasons, or an error has been encountered, the same is logged as an exception.
3. When the Message Upload function interprets the message, it also resolves the Oracle FLEXCUBE FT product to be used for the contract, using the Product Message Mapping, for the incoming message type. The product code thus resolved is also stored in the FT Upload tables, with the other contract details. Based on the parties in the message, the settlement accounts are also resolved using the data maintained in the Settlement Instructions table.
4. The Funds Transfer (FT) Upload function creates contracts using the interpreted messages, reading them from the FT Upload tables. This involves matching the extracted contract details with the information fields in Oracle FLEXCUBE, for funds transfer contracts. In the process, the product level and customer level defaults are also picked up for sub-systems such as charges, taxes MIS, etc. If any contract upload gets rejected for any reasons, or if an error is encountered, the same is logged.
5. Subsequent to the creation of the contracts by the FT Upload function, they can be processed just as any other FT contract in the system, and can be amended, authorized and so on.

10.2 Incoming Message Browser

Incoming SWIFT messages containing details of funds transfer contracts are stored in the incoming directory that you have designated for receiving messages through SWIFT. The incoming browser is therefore the repository of all incoming messages in Oracle FLEXCUBE.

At this stage, the details of the funds transfer contract are not extracted, and the fields in the message that pertain to the funds transfer contract are not yet resolved.

For more information on the structure of the Incoming Browser and the operations that can be performed on the Incoming Message Browser, consult the Messaging system user manual.

As mentioned earlier, the end user queues and the access rights to the users in the department who will need to view the messages should already have been defined for your branch.

10.3 Message Upload Function

When the incoming message is displayed in the incoming browser, the message upload function resolves the contents of the message under the different information heads (fields) in Oracle FLEXCUBE.

The message upload facility of Oracle FLEXCUBE allows you to automatically process all incoming MT 103, MT 103+ and MT 202 messages, which result in either incoming or outgoing Funds Transfers.

Subsequent to the upload, the details of each message will be updated in Oracle FLEXCUBE as an FT contract. After this, the Funds Transfer can be processed as any other contract in Oracle FLEXCUBE.

All the information that you would normally specify in the fields in FT Input Detailed screen when you enter an FT contract, is resolved from the incoming message, by the message upload function. The contents of the message are translated into Oracle FLEXCUBE fields, and populated in the FT upload tables.

The Message Upload function resolves the contents of the incoming message into Oracle FLEXCUBE funds transfer contract field information, but the actual contracts are not created as yet. The creation of the actual contracts is performed by a separate function, the FT Upload function, which is enumerated in the Batch Upload chapter of the Funds Transfer User Manual.

10.3.1 Automatic Execution of Message Upload Function

The upload of MT 101, MT 103, MT 103+ and MT 202 messages by the Message Upload function can either be on-line or can be done as a batch process. If you have specified that the automatic upload of MT 101, MT 103, MT 103+ and 202 messages should be on-line then the Message Upload function will automatically upload and process these S.W.I.F.T messages.

The upload will be in line with the specifications you made for the source, from which the message was uploaded, and will be enriched based on the product linked to the message type.



The contracts uploaded through this process will bear the status (authorized or unauthorized) defined for the source from which it is uploaded.

10.4 Interpreting Contents of Incoming Message

While the actual interpretation of the contents of the message depends upon the message type (i.e., whether the message is a 103 or an MT 200 or an MT 202, and so on), a logical sequence of steps is performed irrespective of the message type. Some of the key steps in the process of interpretation of a message are as follows:

1. Conversion of D Fields to A Fields
2. Derivation of Debit and Credit Accounts
3. Processing of Field 72
4. Derivation of FT Product
5. Build-up of a FT upload transaction record

Each of these steps is described in detail below:

10.4.1 D to A Conversion

When an incoming SWIFT payment message contains information regarding parties involved in a funds transfer, in the 'D' format, i.e., names and addresses, the STP function uses the D to A converter records (which we have discussed earlier) to derive the BIC Codes (A format) for the parties involved in the funds transfer.

The STP function replaces the name and address information (D format) in the message with the corresponding BIC Code (A format), picked up from the converter record.

The name and address information contained in the incoming SWIFT message must be matched exactly, line for line, literally and without case sensitivity, by the address lines information in the converter record, for the corresponding BIC Code to be picked up by the STP function.

10.4.2 Derivation of Debit and Credit Accounts

This is one of the most important steps in the message upload process. It is through this step that the system identifies the accounts that have to be debited and credited for the resultant FT contract.

For instance, if the incoming message is an MT 103 sent by the Bank's correspondent, which orders the Bank to pay a certain sum to a customer of the Bank, the system (from the message) deciphers that the Debit account is the relevant nostro account (mirror of it's account with the Sender of the MT 103) and that the Credit account is the relevant customer's account. The logic for derivation of the debit and credit account depends upon the incoming payment message type, viz. whether the incoming message is an MT 103, 200 or a 202. While derivation of the debit account is primarily driven by the contents of fields 53 to 55 of the incoming message, the derivation of the credit account is primarily driven by the contents of the fields 56 to 59, together with the settlement instructions maintenance table, where the Standard Settlement Instructions are maintained for both Customers and BIC's.

The step-wise sequence of the derivation logic of both the debit account and credit account is given in Annexure - B of this user manual for each of the incoming payment message types.

10.4.3 Processing of Field 72

The STP process of Oracle FLEXCUBE will handle the processing of field 72 (Sender to Receiver Information) for all Incoming SWIFT Payment Messages (MT 103, MT 200 and MT 202) based on the abbreviation code associated with field 72. It is also dependent on whether the beneficiary of the payment transaction resides with the Oracle FLEXCUBE bank or not.

Case 1: The processing of field 72 for all payment messages where the beneficiary resides with the Oracle FLEXCUBE bank is summarized in the table below:

SI No.	Field 72 Code Category	Field 72 Code	Field 72 Code processing for MT 100	Field 72 Code processing for MT 103	Field 72 Code processing for MT 200	Field 72 Code processing for MT 202
1	Parties	ACC (Info for Acc with Inst)	Copy to field 72 of Payment Transaction being created.	Copy to field 72 of Payment Transaction being created.	Copy to field 72 of Payment Transaction being created.	Copy to field 72 of Payment Transaction being created.
2	Parties	INS (Instructing Inst)	Copy to field 72 of Payment Transaction being created.	Copy to field 72 of Payment Transaction being created.	Not Applicable	Copy to field 72 of Payment Transaction being created.
3	Parties	RCB (Receiver's Correspondent)	Try and Derive the Debit Account from contents specified after //RCB. If Debit Account Derivation is successful, then do not copy the code and its contents to field 72 of Payment Transaction being created.	Not Applicable	Not Applicable	Not Applicable
4	Parties	INT (Info for Intermediary)	Not Applicable	Copy to field 72 of Payment Transaction being created.	Copy to field 72 of Payment Transaction being created.	Copy to field 72 of Payment Transaction being created.
5	Parties	REC (Info for Receiver of)	Not Applicable	Mark Incoming SWIFT Payment Message	Mark Incoming SWIFT Payment Message for	Mark Incoming SWIFT Payment Message for

SI No.	Field 72 Code Category	Field 72 Code	Field 72 Code processing for MT 100	Field 72 Code processing for MT 103	Field 72 Code processing for MT 200	Field 72 Code processing for MT 202
		Payment)		for Repair with an appropriate repair reason.	Repair with an appropriate repair reason.	Repair with an appropriate repair reason.
6	Parties	BNF (Info for Beneficiary)	Not Applicable	Not Applicable	Not Applicable	Copy to field 72 of Payment Transaction being created.
7	Method of Payment	BENONLY (Payment for Ben only)	Copy to field 72 of Payment Transaction being created.	Not Applicable	Not Applicable	Not Applicable
8	Method of Payment	CHEQUE (Payment by cheque only)	Copy to field 72 of Payment Transaction being created.	Not Applicable	Not Applicable	Not Applicable
9	Method of Payment	CORPTRAD (FX Settlement)	Copy to field 72 of Payment Transaction being created.	Not Applicable	Not Applicable	Not Applicable
10	Method of Payment	HOLD (Pay upon customer ID)	Copy to field 72 of Payment Transaction being created.	Not Applicable	Not Applicable	Not Applicable
11	Method of Payment	INTRACOM	Copy to field 72 of Payment Transaction being created.	Not Applicable	Not Applicable	Not Applicable
12	Method of Advice	PHON (Advise Acc with Inst by phone)	Copy to field 72 of Payment Transaction being created.	Not Applicable	Copy to field 72 of Payment Transaction being created.	Copy to field 72 of Payment Transaction being created.
13	Method of Advice	PHONBEN (Advise Ben by phone)	Copy to field 72 of Payment Transaction being created.	Not Applicable	Not Applicable	Copy to field 72 of Payment Transaction being created.
14	Method	PHONIBK	Copy to field 72 of	Not	Copy to	Copy to field

SI No.	Field 72 Code Category	Field 72 Code	Field 72 Code processing for MT 100	Field 72 Code processing for MT 103	Field 72 Code processing for MT 200	Field 72 Code processing for MT 202
	of Advice	(Advise Intermediary by phone)	Payment Transaction being created.	Applicable	field 72 of Payment Transaction being created.	72 of Payment Transaction being created.
15	Method of Advice	TELE (Advise Acc with Inst)	Copy to field 72 of Payment Transaction being created.	Not Applicable	Copy to field 72 of Payment Transaction being created.	Copy to field 72 of Payment Transaction being created.
16	Method of Advice	TELEBEN (Advise Ben)	Copy to field 72 of Payment Transaction being created.	Not Applicable	Not Applicable	Copy to field 72 of Payment Transaction being created.
17	Method of Advice	TELEIBK (Advise Intermediary)	Copy to field 72 of Payment Transaction being created.	Not Applicable	Copy to field 72 of Payment Transaction being created.	Copy to field 72 of Payment Transaction being created.

Case 2: The processing of field 72 for all payment messages where the beneficiary does not reside with the Oracle FLEXCUBE bank is summarized in the table below:

Field 72 Code Category	Field 72 Code	Field 72 Code processing for MT 100	Field 72 Code processing for MT 103	Field 72 Code processing for MT 202	Field 72 Code processing for MT 200
Parties	ACC (Info for Acc with Inst)	Mark Incoming SWIFT Message for Repair with appropriate repair reason.	Mark Incoming SWIFT Message for Repair with appropriate repair reason.	Mark Incoming SWIFT Message for Repair with appropriate repair reason.	Not Applicable
Parties	INS (Instructing Inst)	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT	Copy to field 72 of Payment Transaction being created & process	Not Applicable

Field 72 Code Category	Field 72 Code	Field 72 Code processing for MT 100	Field 72 Code processing for MT 103	Field 72 Code processing for MT 202	Field 72 Code processing for MT 200
			Message.	Incoming SWIFT Message.	
Parties	RCB (Receiver's Correspondent)	Try and Derive the Debit Account from contents specified after //RCB. If Debit Account Derivation is successful, then do not copy the code and its contents to field 72 of Payment Transaction being created else mark SWIFT Message for Repair.	Not Applicable	Not Applicable	Not Applicable
Parties	INT (Info for Intermediary)	Not Applicable	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Not Applicable
Parties	REC (Info for Receiver of Payment)	Not Applicable	Mark Incoming SWIFT Message for Repair if line no. 2 of field 72 does not contain a valid SAP Code.	Mark Incoming SWIFT Message for Repair if line no. 2 of field 72 does not contain a valid SAP Code.	Not Applicable
Parties	BNF (Info for Beneficiary)	Not Applicable	Not Applicable	Copy to field 72 of Payment Transaction being created & process Incoming	Not Applicable

Field 72 Code Category	Field 72 Code	Field 72 Code processing for MT 100	Field 72 Code processing for MT 103	Field 72 Code processing for MT 202	Field 72 Code processing for MT 200
				SWIFT Message.	
Method of Payment	BENONLY (Payment for Ben only)	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Not Applicable	Not Applicable	Not Applicable
Method of Payment	CHEQUE (Payment by cheque only)	Mark Incoming SWIFT Message for Repair with appropriate repair reason.	Not Applicable	Not Applicable	Not Applicable
Method of Payment	CORPTRAD (FX Settlement)	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Not Applicable	Not Applicable	Not Applicable
Method of Payment	HOLD (Pay upon customer ID)	Mark Incoming SWIFT Message for Repair with appropriate repair reason.	Not Applicable	Not Applicable	Not Applicable
Method of Payment	INTRACOM	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Not Applicable	Not Applicable	Not Applicable
Method of Advice	PHON (Advise Acc with Inst by phone)	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Not Applicable	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Not Applicable

Field 72 Code Category	Field 72 Code	Field 72 Code processing for MT 100	Field 72 Code processing for MT 103	Field 72 Code processing for MT 202	Field 72 Code processing for MT 200
Method of Advice	PHONBEN (Advise Ben by phone)	Mark Incoming SWIFT Message for Repair with appropriate repair reason.	Not Applicable	Mark Incoming SWIFT Message for Repair with appropriate repair reason.	Not Applicable
Method of Advice	PHONIBK (Advise Intermediary by phone)	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Not Applicable	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Not Applicable
Method of Advice	TELE (Advise Acc with Inst)	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Not Applicable	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Not Applicable
Method of Advice	TELEBEN (Advise Ben)	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Not Applicable	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Not Applicable
Method of Advice	TELEIBK (Advise Intermediary)	Copy to field 72 of Payment Transaction being created & process Incoming SWIFT Message.	Not Applicable	Copy to field 72 of Payment Transaction being created & process Incoming	Not Applicable

Field 72 Code Category	Field 72 Code	Field 72 Code processing for MT 100	Field 72 Code processing for MT 103	Field 72 Code processing for MT 202	Field 72 Code processing for MT 200
				SWIFT Message.	

10.4.4 Processing of 'BNF' in Field 72

If the account number field (field 59 for MT 103 & field 58 for MT 202) for an Incoming Payment Message is not populated, the STP process of Oracle FLEXCUBE will automatically route it to the 'Repair' queue. It will then check for the presence of the abbreviation code 'BNF' (Info for Beneficiary) in field 72 (Sender to Receiver Information) of the message. If the code is found, the system will automatically ignore the non-numeric characters in the code and read only the account number specified after the code. The account number will then be validated in the current branch. If found valid, it will be assigned to field 58 or 59, depending on the message type and subsequently marked as the credit account for the incoming payment transaction.

As the payment transaction is automatically repaired by the system, it will be routed to the 'Repair' queue with the repair reason as 'Auto Repaired'. A user with authorization rights will authorize the Payment Transaction after which the STP process will pick it up for further processing.

If Oracle FLEXCUBE encounters a field 72 abbreviation code that is not listed in the table above, the SWIFT Payment Message will be marked with 'Repair' status, indicating the appropriate reason for repair.

10.4.5 Derivation of FT Product

Another key step in the STP process is the association of the payment message with the appropriate FT product.

All Incoming SWIFT Payment Messages can be associated with any one of the following types of Payment Products:

- Outgoing
- Incoming
- Internal

However, the STP process of Oracle FLEXCUBE will first derive the Debit and Credit account for an Incoming SWIFT Payment Message before determining the Payment Product to be associated with it. Based on the type of accounts derived, the process will automatically associate the appropriate type of Payment Product.

The type of Payment Product to be associated based on the derived Credit and Debit Account type for an Incoming SWIFT Payment Message is summarized in the table below:

Debit Account Type	Credit Account Type	Payment Product Type
Nostro	Nostro	Outgoing
Nostro	Non-Nostro	Incoming
Non-Nostro	Non-Nostro	Internal
Non-Nostro	Nostro	Outgoing
Internal GL Account	Internal GL Account	Internal

To recall, you can map a message type to different payment products in the Product Mapping screen. Depending on the product type (Outgoing, Incoming, or Internal), the relevant product is picked up for processing the FT contract.

10.4.6 Build-up of FT Upload Transaction Record

The key details required for the FT contract such as Debit and Credit accounts, the amount and currency of transfer, etc, are derived from the message contents. Once the product is derived, all the product level processing preferences are picked up.

10.5 Validations Performed on Incoming SWIFT Message

As mentioned earlier, the message upload function of Oracle FLEXCUBE will resolve the contents of the SWIFT message, in the Incoming Message Browser. During this process, the system will also perform certain validations on the contents of the message. Only after carrying out the validations, the contents of the message are translated into Oracle FLEXCUBE fields, and populated in the FT upload tables.

Each of these validations is discussed in the subsequent sections of this document.

10.5.1 Validations for Back Value Days

Oracle FLEXCUBE will process back valued SWIFT messages if the value date is within the 'Back Value Days' limit maintained for the FT product to which the message is eventually associated.


If the date does not fall within the limits maintained, the message will be marked for 'Repair' indicating the appropriate reason for repair. The corresponding error code can be configured alternatively as 'Override', in which case Oracle FLEXCUBE will only log an override and go ahead with processing or 'Ignore' in which case, the error condition will not affect the processing in any way.

For information on maintaining 'Back Value Days' for an FT product, consult the Products chapter of the Funds Transfer User Manual.


10.5.2 Validation of Local Clearing Codes

The STP process of Oracle FLEXCUBE will validate the Local Clearing Codes specified in the fields (56, 57 & 58 – Intermediary Institution, Account with Institution, and Beneficiary Institution) of an Incoming SWIFT Payment Message in the following manner:

- After deriving the Local Clearing Code, the STP process will check if the derived code is a valid Local Clearing Code in the system. If it is not a valid code or if the Clearing Code Indicator field of the message is 'N', the STP process will mark the Incoming SWIFT Message for repair. The appropriate reason for repair is also indicated.


 The Local Clearing Code is always prefixed by the Local Clearing Code Indicator. For example, the Local Clearing Code for the clearing agent UK Chaps is '//SC23-09-85' where 'SC' is the Clearing Code Indicator and 23-09-85 is the actual Local Clearing Code. The STP process will ignore the first four non-numeric characters ('\SC' in //SC23-09-85) to derive the Clearing Code. The Clearing Code derived thus should conform to the mask or format specified for the Clearing Code Network to which it belongs.

- The STP process will check to ensure that the Local Clearing Code is present only once in the fields of an Incoming Message. That is, if fields 56, 57 and 58 are present in a SWIFT Payment Message, the Local Clearing Code should be specified in field 56 alone. Likewise, if only fields 57 and 58 are present in the message, the Local Clearing Code should be specified in field 57. If these validations fail, the SWIFT message will be marked for repair, indicating the appropriate reason for repair.
- If a Local Clearing Code is present in one of the fields of an Incoming SWIFT Payment Message but if the Incoming SWIFT Payment Currency is different from the local currency of the branch, the message will be marked for repair.
- If the Local Clearing Code present in an Incoming SWIFT Message is a valid Local Clearing Code in the system, the STP process will assign the same code (with the prefix) to the fields (56 or 57 as the case may be) of the resultant Outgoing SWIFT Payment Message.
- If in an outgoing MT 202 to be generated through the STP process, the field 57A and field 58A are the same as the Receiver of the MT 202 (i.e., in cases where field 57A is not present, field 58A equal to Receiver), the system will assign the 'Own Clearing Code' of the party in field 57 (or 58) in the outgoing message (to 57 or 58).

 You can maintain 'Own Local Clearing Codes' for all Local Clearing Codes within the same network. If in an Incoming SWIFT Message, the same bank is the beneficiary institution as well as the receiver of funds, the STP process will assign the Own Local Clearing Code to the party fields of the resultant outgoing payment message.

10.5.3 Available Balance Check

At the time of processing a SWIFT payment message transaction, the STP process will check for the availability of funds in a customer account when posting an accounting entry.

 The STP process will perform the check only if you have selected the 'Available Balance Check Required' option for both the Transaction Code associated with the accounting entry (the transaction code associated with the Debit leg of the transaction in the Product Event Definition) and the Customer Account Class to which the customer account that is being debited, belongs.

10.5.3.1 **Handling Failure of Available Balance Checks by STP**

In the event the available balance check fails for an Incoming SWIFT Payment Message transaction, the STP process of Oracle FLEXCUBE will automatically move such transactions to the 'Funding Exception' status. The corresponding error code can be configured alternatively as 'Override', in which case Oracle FLEXCUBE will only log an override and go ahead with processing or "Ignore" in which case, the error condition will not affect the processing in any way.

Oracle FLEXCUBE also enables users with appropriate rights to 'Force Release' all Payment Message Transactions with 'Funding Exception' status and insufficient funds to the Incoming Message Browser. In other words, the system will post the required accounting entries for such transactions regardless of insufficient funds in the accounts. The system will also maintain a detailed audit trail for such transactions.

10.5.4 **Currency Cut-off Checks**

The STP process of Oracle FLEXCUBE performs the currency cut-off checks for all Incoming SWIFT Payment Messages. The message is validated against the cut-off days and cut-off time specified for the customer, product and currency involved in the payment message.



The cut-off checks are performed only if applicable for the product derived during the processing of the Incoming SWIFT Message.

For details on maintaining Cut-Off Times and Cut-Off Days for a currency, refer the Core Services User Manual.

If the SWIFT message fails the currency cut-off checks, the system displays an override message. You can configure the override as an error message or a warning, depending on your requirement.

- If the override is configured as an error, the STP process will reject the SWIFT message by indicating the appropriate reason for rejection.
- If the override is configured as a warning, the system will log the error and proceed with the upload process.

10.5.5 **Processing Uploaded Future Valued Payment Message Transaction**

If the value date of a SWIFT payment message transaction is a date in the future, it is referred to as a 'Future Valued' transaction. The STP process updates the status of such payment messages to 'Pending Release'. The system does not generate the accounting entries and payment advices for transactions that are future valued and subsequently, pending release. The system also defers the currency cut-off check for future valued transactions.

10.5.5.1 **Processing Payment Transactions with Pending Release Status**

The batch processing function run at BOD (Beginning of Day) will check all future valued payment transactions. It will then release those transactions whose value date are earlier than or equal to the current system date. The batch processing function will also check for the availability of funds before posting the required accounting entries and subsequently, generates the outgoing payment advices for all transactions that are released on the day.

The currency cut-off checks will also be performed on the value date.

10.5.6 Exchange Rates Default for Cross-Currency STP Transactions

You can place restrictions on the amount involved in cross currency payment message transactions that are uploaded by the Oracle FLEXCUBE STP process.



The 'Exchange Rate Limits' maintained for the relevant branch, currency, and product combination will be used to perform the check.

At the time of uploading cross-currency payment message transactions, the STP process will validate the limits in the following manner:

- The limit amount, which is expressed in the limit in currency, is converted to the corresponding amount in the limit for currency, using the standard exchange rate, mid rate for comparison.
- If the transaction amount is less than the limit amount in limit for currency for a given product and branch combination, the STP process will pick up the exchange rate from the Currency Rates Maintenance for the rate code specified for the product involving the transaction.
- If the cross currency transaction amount exceeds or is equal to the limit amount in limit for currency, the STP process will reject the payment message transaction being uploaded. The appropriate reason for rejection is also indicated.

The corresponding error code can be configured alternatively as "Override", in which case Oracle FLEXCUBE will only log an override and go ahead with processing or "Ignore" in which case, the error condition will not affect the processing in any way.

10.5.7 Checking for Blocked BIC Codes

At the time of processing a SWIFT Payment Message, if the STP process encounters messages involving SWIFT BIC Codes (in the fields containing party information) that have been blocked (or blacklisted), the system will mark the message with a 'Repair' status along with the appropriate reason for repair.

The corresponding error code can be configured alternatively as 'Override', in which case Oracle FLEXCUBE will only log an override and go ahead with processing or 'Ignore' in which case, the error condition will not affect the processing in any way.

The STP will check for blocked BIC codes in following fields of a payment message:

- Field 53A (Sender's Correspondent)
- Field 58A (Beneficiary Institution)
- Field 52A (Ordering Institution)
- Field 56A (Intermediary)
- Field 54A (Receiver's Correspondent)
- Field 57A (Account with Institution)

10.5.8 Validating Transfer Currency and Account Currency

For messaging resulting in an incoming transfer, if transfer currency differs from the account currency for incoming transfer, the corresponding message goes to the repair queue.

The upload process of incoming message provides a validation of account currency with transfer currency. If the currencies are different, the message is routed to the repair queue. The error-code is configurable to be either an Error or Override, depending upon your installation.


10.6 Cover Matching

10.6.1 Detection of Messages for 'Pending Cover' Status

If an incoming MT 103/MT 202 is in the Local Currency of the branch where it is received and the Sender of the message does not have the authority to specify the Debit Account for the message, the system will automatically route the message to the 'Pending Cover Queue'.

If the STP process detects an Incoming SWIFT Payment Message (MT 103/ MT 202) with the status as 'Pending Cover Match', the message is kept on hold until a 'Payment Cover Message' (MT 202/MT205) is received from the Intermediary bank. Upon receipt of a Payment Cover Message, it is automatically matched with the Payment Message that is on hold. After it is matched, the Payment Cover Message is suppressed and Payment Message that was on hold is picked up for processing.

If the system uploads an MT205 first, the message will be suppressed and though a matching MT103/202 is uploaded later, the auto cover matching will not take place.

 When the existing MT103 is received from anyone other than our correspondents, then the MT 103 message will be moved to a Cover matching queue (which is a user maintained queue) with the status mapped as 'Pending Cover match'. (Status ='C', Process Status ='R', Force Cover Match ='N')

Once the MT 202 is identified as the cover message, the MT 202 will be suppressed. (Status = 'S', Process Status ='P', Suppress_message = 'F' – indicating Full suppress). Also MT 103 will be moved from the Cover match queue and processed.

10.6.1.1 Processing of MT 910

The processing of Cover Matching can also be done when an Incoming MT 910 is received based on the following conditions-

- The contents of field 21 (Related Reference) of the Credit Advice message (MT 910) are same as the contents of field 20 (Transaction Reference Number) of a (non-cover) Payment Message (100 or 103).
- The contents of field 32 (Payment Amount, Payment Value Date and Payment Currency) of a 910 are identical to the contents of field 32 of a (non-cover) Payment Message (100 or 103).

When the MT 910 is received and the above mentioned conditions are satisfied, then MT 910 are suppressed and the corresponding MT 100 / MT 103 are processed.

The concept of a Payment Cover Match is illustrated in the example below:

Example

Chase Manhattan, New York requests Midas Bank to reimburse 1 M GBP to its customer Ms. Sally Williams, who has an account with Midas Bank. To effect this transaction, Chase Manhattan sends a SWIFT Payment Message to Midas Bank. In other words, Midas Bank receives an Incoming SWIFT Payment Message (MT 103) requesting for the transfer of money to Sally Williams. Chase Manhattan does not have a direct account relationship with Midas Bank; therefore an Intermediary, Midland Bank is used to process the transaction. Midland Bank has a direct account relationship with both Chase Manhattan and Midas Bank. Midas Bank will release the money to the customer only after it receives a Payment Cover Message (MT 202) from Midland Bank, confirming the receipt of funds from Chase Manhattan. Midas Bank will keep the MT 100 on hold until it receives the Payment Cover Message from its correspondent, Midland Bank. After receipt of MT 202, it is matched with MT 100 received earlier, which is then processed and the money is reimbursed to the customer.

You can send an MT 202 either as a Payment Cover Message or a normal Payment Message. The system will identify the MT 202 as a Payment Cover Message if it satisfies the following conditions:

- The contents of field 21 (Related Reference) are different from those of field 20 (Transaction Reference Number) of the Incoming MT 202.
- The Payment Currency specified in field 32 (Currency) of the SWIFT message is same as the Base Currency of the branch in which the MT 202 is being processed.



'Payment Cover Messages' are always received later than the related SWIFT Payment Messages.

10.6.2 Matching Payment Message with its Cover

After the receipt of the 'Payment Cover Message', the STP process matches it with a normal SWIFT Payment Message that satisfies the following conditions:

- The contents of field 21 (Related Reference) of the Payment Cover Message (MT 202) are same as the contents of field 20 (Transaction Reference Number) of a (non-cover) Payment Message (100 or 103).
- The contents of field 32 (Payment Amount, Payment Value Date and Payment Currency) of a Payment Cover Message are identical to the contents of field 32 of a (non-cover) Payment Message (100 or 103).

The STP process may encounter one of the following three conditions, in its search for a related Normal Payment Message that matches with a Payment Cover Message (MT 202).

- Finds more than one Payment Message that matches the criteria
- Finds a single matching normal Payment Message (desirable)
- Finds no Payment Message matching the criteria

Processing an MT 202 with more than one matching Payment Message

If the STP process detects more than one related normal Payment Message matching the above conditions, the Payment Cover Message is moved to the 'Repair' status and the appropriate reason for repair is also indicated. The user will manually process all the normal Payment Messages matching the Payment Cover Message.

Processing an MT 202 with a single matching Payment Message

If the STP process finds a single related Normal Payment Message that matches the above conditions, the Payment Cover Message is marked as 'Matched' and its status is updated to 'Suppressed'. The related Payment Message (100 or 103) is also marked as 'Matched' and it is moved from the Cover Queue to the unprocessed queue from where the STP picks it up for further processing.

Processing an MT 202 without a matching Payment Message

If the Oracle FLEXCUBE STP process does not find any related Payment Messages matching the above-mentioned criteria, it will check for the presence of field 72 (Sender to Receiver Information) in the Payment Cover Message. If field 72 does not exist, the system will automatically suppress the Payment Cover Message and maintain a detailed audit trail for the same. The suppressed Payment Cover Message will not require any further verification.

If field 72 exists in the Payment Cover Message, the STP process will automatically route the Payment Cover Message to the 'Repair' queue indicating the appropriate reason for repair.

10.7 Payment Cover (MT 202) Generation Rules

Oracle FLEXCUBE STP process will automatically generate an Outgoing Payment Cover Message (MT 202) if the following criteria are satisfied:

- The contents of Field 56 (Intermediary) and Field 57 (Account with Institution) are always populated in an Incoming SWIFT Payment Message.
- If the contents of both Fields 56 and 57 are populated and if field 56 contains the name of a customer or branch of your bank, then only one Outgoing Payment Message will be sent either to the Customer or to the Branch. Since the Intermediary in this case is your customer or a branch of your bank, a Payment Cover Message will not be sent even if both the fields (56 and 57) are present in the Payment Cover Message. This is because of the presence of a direct account relationship between your bank and the Intermediary (customer or branch as the case may be).
- If the credit account of the Incoming Payment Transaction is your preferred Nostro Agent's account (for the Payment Currency) and if both Fields 56 and 57 are populated, the system will check if the country code of the Payment Currency matches with the country code associated with the SWIFT BIC (characters 5 & 6 in a SWIFT BIC) present in Fields 56A and 57A. If the country codes match, Oracle FLEXCUBE will not generate a Payment Cover Message as the 'Intermediary' and the 'Account with Institution' will be treated as belonging to the same local area network.

Example

An Incoming SWIFT Payment Transaction in GBP has the following values in Fields 56 and 57:

- 56A: CITIGB2L (Intermediary – Citi Bank)
- 57A: CHASGB2L (Account with Institution - Chase Manhattan)

Chase Manhattan (the beneficiary's bank) does not have an account in GBP. Therefore, the credit account of the Payment Transaction resides with Barclays, which is the preferred GBP Nostro Agent for Chase Manhattan.

The Country Code for both Citibank (Intermediary) and Chase Manhattan (Beneficiary's bank) is GB (Great Britain). The Payment Currency, GBP is also associated with the same Country Code, GB. In other words, the Intermediary (Field 56), the Account with Institution (Field 57) and the Payment Currency are all linked to the Country Code, GB. In such a scenario, the system will not generate a Payment Cover Message. All the three entities will be treated as belonging to the same network. A Payment Cover Message is not required amongst banks that are part of the same entity.

10.7.1 Incoming MT 202

For an incoming MT202, the system determines the Queue while uploading messages based on the STP Rule maintained for a Message Type. Subsequently, the Product Message mapping information for a particular Queue is used to determine the Module and the Product (in case of FT) or the Product Category (in case of PC) to which the message needs to be routed. Mapping a particular message type for a particular branch to different Queues is possible.

Example

MT202 can be mapped to PCQUEUE – for messages to be routed through PC Module and FTQUEUE – for Messages to be routed through FT Module.

During the upload process, Incoming MT202 would get the settlement account from settlement maintenance for PC module using settlement instruction maintenance and the existing settlement pickup logic as mentioned below:

Pick the CIF from Bank Directory for the given Clearing Bank Code. In case the CIF is not maintained for the Clearing Bank Code, the message will be put in Repair.

Get the settlement account by using the above CIF and Product Category. The existing settlement pickup logic will be used to determine the Settlement Account.

Accounting for MT202 will be as follows:

Dr. NOSTRO (or Clearing Suspense depending upon Product level maintenance)

Cr. Settlement Account

You have to link Tag 58 to 'Customer BIC' in PC payment UDF mapping. The CIF will be determined from the PC Bank Directory for the Bank Code Specified in Tag 58.

10.8 FT Upload Process

The FT upload process is explained in detail in the chapter on FT Upload. The same process gets invoked automatically by the STP process also. The message upload process, described in the previous section, ends with the population of data in the FT upload tables. During the STP process, the next step is the invoking of the FT contract upload function automatically. This function reads the contents of the FT upload tables and creates FT contracts in the system. Once the FT upload process has created a contract, the rest of the life-cycle processing of such contracts (which have come through STP) is identical to contracts created from the Oracle FLEXCUBE front-end or through FT upload.

10.9 Operations on Incoming Message

Oracle FLEXCUBE lets you perform a variety of operations on the incoming messages, such as suppression, amendment, authorization, etc. This section describes these workflow aspects in some detail.

10.9.1 Handling Exceptions in STP Process (Repair of Messages)

The message upload process takes one message at a time and applies a sequence of logical steps to derive information required to populate FT contract upload tables. In this process it may encounter various errors. These may be due to errors in the incoming SWIFT message itself or errors encountered in processing due to absence of proper maintenance or other exceptional conditions.

If the message upload process encounters an error for a particular message, its processing status is updated automatically to 'Repair' and the same is available for the user to view on the incoming message browser. The user can then manually choose to take appropriate action to rectify the situation. The user may choose to input the relevant FT contract (when the message is in repair) manually through the regular contract input function provided by Oracle FLEXCUBE. Alternatively, the user may also like to 'repair' or correct the incoming message and let Oracle FLEXCUBE try to process the message automatically again.

10.9.1.1 STP Repair Statistics Report

As discussed earlier, the Message Upload Function interprets the Incoming SWIFT Payment Message received by your bank and propagates the interpreted messages into the Funds Transfer (FT) Upload tables in the system. The various errors it encounters during this process are logged in a separate table. Each error is identified by a unique number. The error code and the possible reason for the error are also logged in the table.

You can choose to generate an 'STP Repair Statistics Report' from the data logged in the table. Generating such a report will help you in identifying the causes for the errors. The report is generated through Business Objects, a reporting tool. You can choose to generate the report at any point or for a specific period.

10.9.2 Suppression of Incoming SWIFT Payment Messages

You can choose to suppress an Incoming SWIFT Payment Message with the following statuses:

- Repair
- Unprocessed
- Pending Cover Matching

All Incoming SWIFT Messages are displayed in the Incoming Message Browser. To suppress a message, click 'Suppress' button in the Incoming Browser. The 'Suppress Message' screen is displayed.

The screenshot shows a web-based dialog box titled "Incoming Message - Detail -- Web Page Dialog". It contains various fields for message details and a "Suppress" operation. The "Operation" dropdown is set to "Suppress". Below this, there are fields for "Name", "Address1", "Address2", "Address3", "Address4", and "Location". A "Process" dropdown is set to "Unprocessed". The "Suppress Details" section includes a "Remarks" field, a "Suppress Options" dropdown, and a "Remarks" input field. At the bottom, there are fields for "Checker Date Stamp", "Checker ID", "Mod No", "Entry By", "Maker Date Stamp" (2000-07-03 17:50:17), "Cover Match Status", "Suppress Status", "Funding Exception Status", and a checked "Authorization Status" checkbox. "Ok" and "Exit" buttons are at the bottom right.

The following options are available to suppress a Payment Message:

- Suppress Message Generation
- Suppress Full
- No Suppress

Specifying the 'Suppress Message Generation' option

If you select this option, Oracle FLEXCUBE will stop the generation of the Payment Message. However, the system will post the necessary accounting entries for the messages being suppressed.

Indicating the 'Suppress Full' option

If you select the full suppress option for a message, the system will not post the related accounting entries. Advice generation will also be stopped. In other words, the system will not pick up the Payment Message for any further processing.

Specifying the 'No Suppress' option

A message marked with the 'No Suppress' option will be processed like any other normal Incoming SWIFT Payment Message.

Specifying the remarks for a suppressed message

You can specify the reason for suppressing a Payment Message in the 'Remarks' field.

Click 'Ok' button to save the details and return to the Incoming Message Browser.

Authorizing Suppressed Message

A different user with appropriate rights will be required to authorize the suppressed Payment Messages. The system will display an appropriate warning message to the authorizer indicating that the Payment Message has been suppressed.

The system will maintain a detailed audit trail along with the suppression remarks for all Incoming SWIFT Payment Messages that have been suppressed.



You will not be allowed to suppress Incoming SWIFT Payment Messages that have already been processed by the system.

10.9.3 Verifying and Authorizing an Incoming SWIFT Payment Message

Oracle FLEXCUBE allows you to amend the details of an Incoming SWIFT Payment Message that is marked for repair.

At the time of amending a SWIFT payment message, you can specify the details of the amendments along with the reasons for carrying out the amendments.

Authorizing Amended SWIFT Payment Message

All the amendments made to a SWIFT payment message, have to be authorized by a user with appropriate authorization rights.

At the time of authorizing, Oracle FLEXCUBE will display the earlier version of the SWIFT payment message along with the amended version, in the same window. A list of all the errors due to which the message was marked for repair is also displayed. The authorizer can view all the errors and also verify the changes that were made to correct them. After verification, if all the details are found to be appropriate, the message is authorized.

Oracle FLEXCUBE maintains a detailed audit log of all amended SWIFT Payment Messages. The following details are captured for each authorized message:

- User ID of the person who authorized the amendments
- Date and time of authorization



At any point during the verification and authorization process, the authorizer can choose to cancel the entire operation without changing the status of the message.

10.9.3.1 Rejecting Amended SWIFT Payment Message

During verification, if the amendments are found to be inappropriate or wrong, the authorizer can choose to reject the message. The authorizer should specify the reasons for rejection, as mandatory information.

The STP process will update the status of a SWIFT payment message as rejected, specifying the reasons for rejection. A rejected message is marked as one that has 'failed authorization'. You can perform a query on all messages that have failed authorization, in the Incoming Message Browser.

Oracle FLEXCUBE maintains a detailed audit log of all SWIFT Payment Messages that are rejected along with the reasons for rejection.

10.9.3.2 Amending or Deleting Incoming SWIFT Payment Messages

Any user with appropriate rights can amend or delete a SWIFT Payment Message that has failed authorization or is pending authorization.



Oracle FLEXCUBE will not allow you to delete the first original version of a SWIFT Payment Message received from the SWIFT network.

10.10 Payment Transaction Status Management

The status of a funds transfer transaction indicates the stage in the processing cycle in which the transaction currently stands. The status also indicates the operations that are possible on a funds transfer transaction with respect to its processing.

Funds transfers that have been uploaded through the gateway tables using the STP (Straight Through Processing) function can be in any of the following statuses:

- Processed
- Unprocessed

- Repair
- Suppressed
- Pending Cover Matching
- Funding Exception
- Pending Authorization
- Failed Authorization

The table below explains the operations that are possible on a funds transfer transaction when it is in any of the states listed above:

Status	End State?	Possible Course of Action	Possible Result
Processed	Yes	None	None
Repair	No	Manual Repair of message	Post correction message goes through the STP process again.
		Suppress the entire message	The entire message is suppressed and no further action is taken on the message
		Suppress the resultant outgoing message but process the accounting	Resultant funds transfer contract is created but the messaging is suppressed
Suppressed	Yes	None	None
Funding Exception	No	Force the message through	Transaction will go through with override
Pending Release	No	'Force Release' the message	Transaction will go through with override
	No	Leave the message as it is; message gets picked up on the value date	Funds transfer contract is created on the value date
Pending Authorization	No	Authorize the transaction	
Failed Authorization	No		
Pending Cover Match	No		
Unprocessed	No	Message is picked up for processing	

The system maintains queues of transactions in each status

To view a summary of funds transfer transactions queues, use the Payment Summary screen.

You can set certain filters as follows for viewing the details on this screen:

- Contract Status
- Status
- Source Reference Number
- Credit Currency
- Authorization Status
- Contract Reference Number
- Debit Currency

Once you have set the filters you want, click 'Refresh' button to view the payment summary.

The following details are displayed for each transaction in a queue:

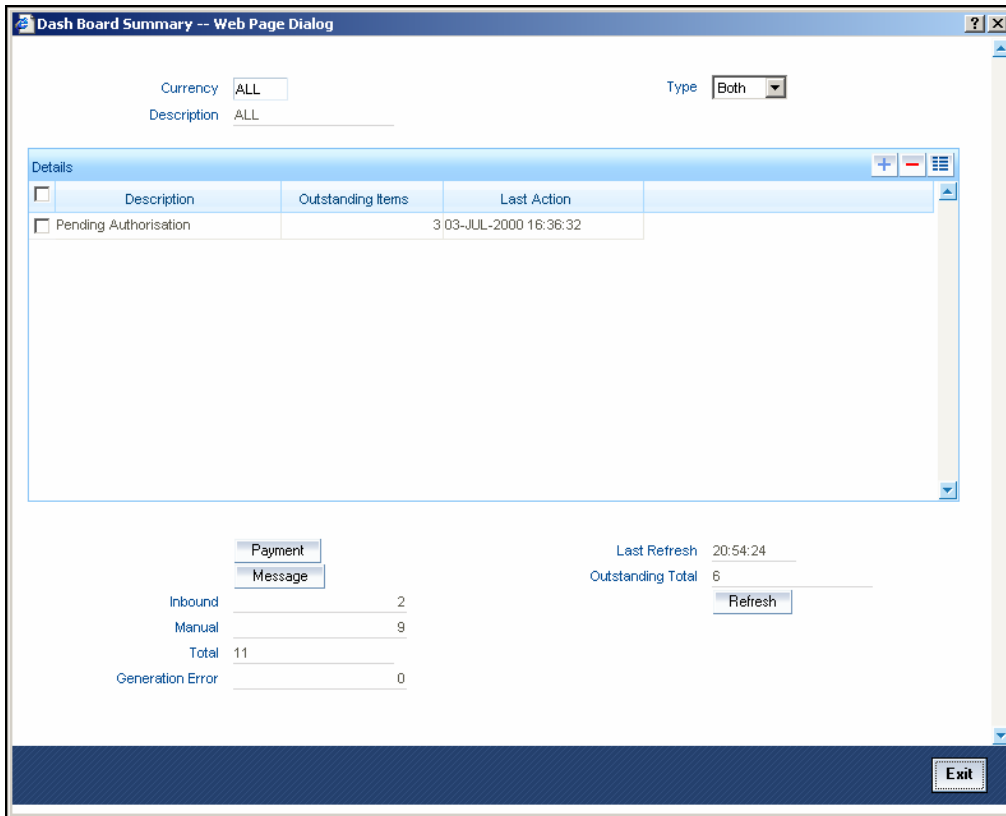
- The SWIFT BIC of the sender, if applicable
- The sender's unique identifying reference number for the transaction, (corresponding to Field 20 of Incoming SWIFT Message) or the User Reference Number assigned to the transaction by Oracle FLEXCUBE
- The Transaction Reference Number assigned by Oracle FLEXCUBE
- If applicable, the SWIFT Message Type - MT 100 or MT 103
- The debit currency
- Transfer amount
- Transfer Value Date
- Debit account
- Error Code
- The most recent user who modified the record of the transaction

10.11 Payments Summary Dash Board

To view a summary of funds transfer transactions that has been sorted according to status queues, you can also use the Payments Dash Board screen. You can invoke the 'Dash Board Summary' screen by typing 'FTDDSHBD' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

In this screen, the following details are displayed for each type of queue:

- The name of each process queue or status
- The time stamp corresponding to the last action performed for the queue
- Number of Outstanding Items in a Queue
- The Inbound Message Count (this is the number of inbound SWIFT messages received on the application date after the Beginning of Day Run)
- The time when the Summary Dash Board Information was last refreshed



Currency

You can choose to view the transaction queues summary for any transaction currency, or for all currencies.

Type

To view transaction status queues for manually entered funds transfers, chose 'Manual' in the 'Manual/STP' field. To view transaction status queues for funds transfers uploaded through the STP function, chose 'STP' in the 'Manual/STP' field. To view both types, choose 'Both'. When you choose, all transaction queues pertaining to the type selected are displayed on the screen.

Viewing Transaction Summaries

To view the transaction summary for each transaction queue for STP transactions, click 'Message' button. The Incoming Browser is displayed.

Refreshing the Dash Board Information

You can refresh the information displayed in the Dash Board by clicking the 'Refresh' button in the Dash Board screen.

10.12 Examples of STP

This Section contains examples of incoming payment messages, a brief illustration of the processing logic and an indication of the resulting outgoing messages and the accounting entries that would get passed. All the examples below draw upon a common set of maintenances assumed to have been done in the system as detailed below:

10.12.1 Maintenance (assumed for illustration purposes)

Assume that the following maintenance has been done in the system.

10.12.1.1 Customers and Customer Accounts

Customer type	Customer Name	CIF ID	BIC	Account Type	Account Ccy	Account ID
Bank	MIDLAND BANK	MIDLB00	MIDLGB2A	Current	GBP	MIDLGB00BKCU1 GBPxA
Individual	PETER SMITH	PSMIT10		Savings	GBP	PSMIT10INDSB1G BPd
Individual	JOHN BULL	JBULL10		Savings	USD	JBULL10INDSB1U SDaD
Bank	CITIBANK	CITIB10	CITIUS33	Nostro	USD	CITIB10NOSTROU SDnA
Bank	BARCLAYS BANK, LONDON	BARCB90	BARCGB2A	Nostro	GBP	BARCB90NOSTRO GGBPxT

10.12.2 FT Products

Product code	Product type
FTNN	Internal funds transfer
FTIN	Incoming funds transfer
FTOC	Outgoing Customer transfer
FTOB	Outgoing Bank transfer

10.12.3 BIC codes

Bank Name	BIC code
ABN Amro, Frankfurt	ABNADEFF
Hambros Bank, London	HAMBGB00
Standard Bank, London	STDBGB20
ABN Amro, New York	ABNAUS33
Chase Manhattan, New York	CHASUS33

10.12.4 Settlement Instructions

Assume that the following settlement instructions have been maintained:

Counter party type	CIF ID / BIC	Currency	Pay account	Receive account
BIC	HAMBGB00	GBP	BARCB90NOSTROGBPxT	BARCB90NOSTROGBPxT
CIF	PSMIT10	GBP	PSMIT10INDSB1GBPxD	PSMIT10INDSB1GBPxD
CIF	JBULL10	USD	JBULL10INDSB1USDxD	JBULL10INDSB1USDxD
CIF	MIDLB00	GBP	MIDLGB00BKCU1GBPxA	MIDLGB00BKCU1GBPxA

10.12.5 Other maintenance

Branch code	Branch BIC
010	FCBKGB10

10.13 Example 1: Internal Transfer

In this example, an incoming payment message results in an internal funds transfer i.e. both the debit and credit accounts are serviced by this branch. Thus, the bank here acts as the account with institution.

10.13.1 Incoming Message

Message type: MT 103

Description	Tag	Contents
Sender	1:	MIDLGB2A
Receiver	2:	FCBKGB10
Transaction reference number	:20:	020615/025/4214
Value date, amount, currency	:32A:	020615GBP2000
Ordering customer	:50:	STEPHEN LEE
Beneficiary customer	:59:	/ PSMIT10INDSB1GBPxD

10.13.2 Interpretation of Message

Debit Account:

Since fields 72, 54 and 53 are absent from the incoming payment message, Oracle FLEXCUBE tries to derive the debit account from the Sender's BIC.

In this case, the sender is a bank customer and has an account with this branch in the currency of payment.

After successful validation of the customer, account, settlement instructions etc, the debit account is derived as MIDLGB00BKCU1GBPxA.

Credit Account

Since fields 56 and 57 are absent, Oracle FLEXCUBE derives the credit account from Field 59 (Beneficiary customer).

In this case, the account is a valid account for this branch. On successful validation, the credit account is derived as PSMIT10INDSB1GBPxD.

Product

In this case, both parties are customers of the bank, and have accounts in the payment currency. No external party is involved in the transaction, and therefore the transfer is an internal one.

An incoming payment message resulting in an internal transfer has been mapped to product FTNN.

Thus, the contract is created under the product FTNN.

Results

Thus, the following contract results from the incoming MT 103.

Product	FTNN
Contract reference number	000FTNN021660152
User reference number	020615/025/4214
Dr currency	GBP
Dr amount	2000
Dr branch	010
Dr account	MIDLGB00BKCU1GBPxA
Cr currency	GBP
Cr amount	2000
Cr branch	010
Cr account	PSMIT10INDSB1GBPxD
Value date	15-JUN-2002

The accounting entries passed would be:

Dr	MIDLGB00BKCU1GBPxA	GBP	2000
Cr	PSMIT00INDSB1GBPxD	GBP	2000

A credit advice will be sent to Peter Smith, and a debit advice to Midland Bank.

10.14 Example 2: Incoming Transfer

In this example, an incoming payment message instructs the bank to receive funds from its USD Nostro agent (Citibank) and to credit the funds to its customer. Thus, the message results in an Incoming funds transfer, with the bank acting as the account with institution.

Incoming Message

Message type: MT 100

Description	Tag	Contents
Sender	1:	ABNADEFF
Receiver	2:	FCBKGB10
Transaction reference number	:20:	020615/AXT/0009
Value date, amount, currency	:32A:	020615USD15000,
Ordering customer	:50:	STEPHEN LEE
Sender's correspondent	:53A:	CITIUS33
Beneficiary customer	:59:	/JBULL10INDSB1USDaD

Interpretation of Message

Debit account:

Since fields 72 and 54 are absent from the incoming message, Oracle FLEXCUBE considers field 53A for the derivation of the Debit account.

In this case, the BIC maps on to the USD Nostro for the bank. Oracle FLEXCUBE performs various validations, such as whether the sender (ABN Amro) is authorized to specify this account as the debit account. After successful validations, the debit account is derived as CITIB10NOSTROUSDnA.



Citibank would also send an MT 202 to the bank, confirming that the funds have been received and credited to the bank's vostro account.

Credit account:

Since fields 56 and 57 are not present, the credit account is to be derived from field 59. Based on the given account number, the credit account is derived as the USD savings account of John Bull.

Product:

In this case, the ultimate beneficiary's account belongs to this branch, whereas the debit account is a Nostro. Thus, it is an incoming transfer. Based on the rules maintained, Oracle FLEXCUBE will pick up the relevant Incoming product, and create a new contract.

Results

The following contract results from the above MT 103.

Product	FTIN
Contract reference number	000FTIN021660837
User reference number	020615/AXT/0009
Dr currency	USD
Dr amount	15000
Dr branch	010
Dr account	CITIB10NOSTROUSDnA
Cr currency	USD
Cr amount	15000
Cr branch	010
Cr account	JBULL10INDSB1USDaD
Value date	15-JUN-2002

The accounting entries passed are:

Dr	CITIB10NOSTROUSDnA	USD	15000
Cr	DAO GL	USD	15000
Dr	DAO GL	USD	15000
Cr	JBULL10INDSB1USDaD	USD	15000

John Bull would receive a credit advice from the bank.

10.15 Example 3: Outgoing Customer Transfer

The incoming payment message in this example instructs the bank to credit funds to the account of Ben Jones with Midland Bank.

Since the ultimate beneficiary is not a bank customer, this results in an outgoing customer transfer. However, since the account with institution has an account with the bank, no cover is required.

Incoming Message

Message type: MT 103

Description	Tag	Contents
Sender	1:	ABNAUS33
Receiver	2:	FCBKGB10
Transaction reference number	:20:	020630/DE-3275
Bank Instruction Code	:23E:	SPRI
Value date, amount, currency	:32A:	020630GBP4000,
Ordering customer	:50K:	STEPHEN LEE
Sender's correspondent	:53A:	CHASUS33
Receiver's correspondent	:54A:	BARCGB2A
Account with institution	:57A:	MIDLGB2A
Beneficiary customer	:59:	/BENJONESGBP2148
Details of charges	:71A:	OUR

Interpretation of Message

10.15.1.1 Debit Account:

In this message, the debit account is derived from field 54. After performing the required validations, this is taken as the nostro account (BARCB90NOSTROGBPxT)



Barclays would also send an MT 202 to the bank, confirming that the funds have been received and credited to the bank's vostro account.

Credit Account:

Since field 56 is absent, the Cr account in this case is derived from the BIC in field 57A of the incoming MT 103.

This BIC (MIDLGB2A) has a CIF ID linked to it, and has a valid account in the transfer currency. Thus, the credit account in this case is MIDLGB00BKCU1GBPxA.

Product:

This is an outgoing customer transfer, since the ultimate beneficiary is not a customer of this bank. Based on the rules maintained, the contract will be created under the product FTOC.

Result

The following are the contract details:

Product	FTOC
Contract reference number	000FTOC021810006
User reference number	020630/DE-3275
Dr currency	GBP
Dr amount	4000
Dr branch	010
Dr account	BARCB90NOSTROGBPxT
Cr currency	GBP
Cr amount	4000
Cr branch	010
Cr account	MIDLGB00BKCU1GBPxA
Value date	30-JUN-2002

The accounting entries passed are:

Dr	BARCB90NOSTROGBPxT	GBP	4000
Cr	MIDLGB00BKCU1GBPxA	GBP	4000

An MT 103 (customer transfer) is sent to Midland Bank. Since there is a direct accounting relationship between the banks, a cover is not required.

The contents of the outgoing message are shown below:

MT 103 sent to Midland Bank

Description	Tag	Contents
Sender	1:	FCBKGB10
Receiver	2:	MIDLGB2A
Transaction reference number	:20:	000FTOC021810006
Value date, amount, currency	:32A:	020630GBP4000,
Ordering customer	:50K:	STEPHEN LEE
Beneficiary customer	:59:	/BENJONESGBP2148

10.16 Example 4: Outgoing Customer Transfer with Cover

The message below requests the bank to credit funds to Ben Jones' account with Standard Bank, through Hambros Bank.

The bank therefore sends a payment instruction to Hambros Bank; however, since there is no direct account relationship between the banks, the payment is made through the bank's GBP Nostro agent, Barclays. A cover payment message is therefore sent to Barclays.

Incoming Message

Message type: MT 103

Description	Tag	Contents
Sender	1:	MIDLGB2A
Receiver	2:	FCBKGB10
Transaction reference number	:20:	020630/DE-3271
Bank Instruction Code	:23E:	SPRI
Value date, amount, currency	:32A:	020630GBP3821,50
Ordering customer	:50K:	STEPHEN LEE
Intermediary	:56A:	HAMBGB00
Account with institution	:57A:	STDBKGB20
Beneficiary customer	:59:	/BENJONESGBP453
Details of charges	:71A:	OUR

Interpretation of Message

Debit Account

Here, the debit account is derived from the sender's BIC since fields 55, 72, 54 and 53 are absent. As in the previous example, the debit account is derived as MIDLGB00BKCU1GBPxA.

10.16.1.1 Credit Account

Here, the Cr account is derived from the BIC in field 56 of the incoming MT 103.

The BIC (HAMBGB00) does not have a CIF ID linked to it, since this is not a bank customer. However, since standard settlement instructions have been maintained for this BIC, the credit account is derived from these. In this case, the credit account is maintained as the bank's GBP nostro i.e. account BARCB90NOSTROGBPxT with Barclays Bank, London.

Thus, the credit account in this case is BARCB90NOSTROGBPxT.

10.16.1.2 Product

This is an outgoing customer transfer. Based on the rules maintained, the contract will be created under the product FTOC.

Result

The following are the contract details:

Product	FTOC
Contract reference number	000FTOC021810005
User reference number	020630/DE-3271
Dr currency	GBP
Dr amount	3821.50
Dr branch	010
Dr account	MIDLGB00BKCU1GBPxA
Cr currency	GBP
Cr amount	3821.50
Cr branch	010
Cr account	BARCB90NOSTROGBPxT
Value date	30-JUN-2002

The accounting entries passed are:

Dr	MIDLGB00BKCU1GBPxA	GBP	3821.50
Cr	BARCB90NOSTROGBPxT	GBP	3821.50

The messages sent out are:

1. An MT 103 (customer transfer) to Hambros Bank, London.
2. A cover MT 202 (bank transfer) to Barclays Bank, London.

The contents of the outgoing messages are shown below:

MT 103 sent to Hambros Bank		
Description	Tag	Contents
Sender	1:	FCBKGB10
Receiver	2:	HAMBGB00
Transaction reference number	:20:	000FTOC021810005
Value date, amount, currency	:32A:	020630GBP3821,50
Ordering customer	:50K:	STEPHEN LEE
Sender's correspondent	:53A:	BARCGB2A
Account with institution	:57A:	STDBKGB20
Beneficiary customer	:59:	/BENJONESGBP453
MT 202 (cover) sent to Barclays		
Description	Tag	Contents
Sender	1:	FCBKGB10
Receiver	2:	BARCGB2A
Transaction reference number	:20:	000FTOC021810005
Related reference number	:21:	020630/DE-3271
Value date, amount, currency	:32A:	020630GBP3821,50
Account with institution	:57A:	HAMBGB00
Beneficiary institution	:58A:	STDBKGB20

10.17 Example 5: Outgoing Bank Transfer

In this example, all the parties to the transfer are banks. The incoming message (MT 202: General Financial Institution Transfer) instructs the bank to credit funds to Hambros Bank.

Since Hambros Bank does not have a direct account relationship with the bank, the payment is routed through Barclays. Thus, the incoming message here results in an Outgoing Bank Transfer, with a cover.

Incoming Message

Message type: MT 202

Description	Tag	Contents
Sender	1:	MIDLGB2A
Receiver	2:	FCBKGB10
Transaction reference number	:20:	020630/BK-3110
Related reference	:21:	NONREF
Value date, amount, currency	:32A:	020630GBP50000,
Beneficiary institution	:58:	HAMBGBXX

Interpretation of Message

Debit Account:

In this message, the debit account is derived from the sender BIC. After performing the required validations, this is taken as the customer account (MIDLGB00BKCU1GBPxA)

Credit Account:

Since field 56 and 57 are absent, the Cr account in this case is derived from the BIC in field 58A of the incoming MT 202.

The BIC (HAMBGB00) does not have a CIF ID linked to it, since this is not a bank customer. However, since standard settlement instructions have been maintained for this BIC, the credit account is derived from these. In this case, the credit account is maintained as the bank's GBP nostro i.e. account BARCB90NOSTROGBPxT with Barclays Bank, London.

Thus, the credit account in this case is BARCB90NOSTROGBPxT.

Product:

This is an outgoing bank transfer, since the ultimate beneficiary institution is not a customer of this bank. Based on the rules maintained, the contract will be created under the product FTOB.

Result

The following are the contract details:

Product	FTOC
Contract reference number	000FTOB021815458
User reference number	020630/BK-3110
Dr currency	GBP
Dr amount	50000
Dr branch	010
Dr account	MIDLGB00BKCU1GBPxA
Cr currency	GBP
Cr amount	50000
Cr branch	010
Cr account	BARCB90NOSTROGBPxT
Value date	30-JUN-2002

The accounting entries passed are:

Dr	MIDLGB00BKCU1GBPxA	GBP	50000
Cr	BARCB90NOSTROGBPxT	GBP	50000

An MT 202 is sent to Barclays Bank. The contents of this message are:

MT 202 sent to Barclays Bank		
Description	Tag	Contents
Sender	1:	FCBKGB10
Receiver	2:	BARCGB2A
Transaction reference number	:20:	000FTOB021815458
Related reference	:21:	020630/BK-3110
Value date, amount, currency	:32A:	020630GBP50000,
Beneficiary institution	:58A:	HAMBGBXX

10.18 Viewing Funds Transfer Multi Customer Summary

You can generate a consolidated message for all the funds transfer transactions grouped under a consolidated reference maintained in the system using 'Funds Transfer Multi Customer' screen. You can invoke the 'Funds Transfer Multi Customer Summary' screen by typing 'FTSTCONS' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

<input type="checkbox"/>	Consolidated reference	Multi Credit Reference Number	Product Code	Consolidation Status	Settlement Account	Settlement Currency	Value
<input type="checkbox"/>	SW1.ZFTC001850066	CONS0005	0201	C	1000000004	USD	7/3/20
<input type="checkbox"/>	SW1.ZFTC001850072	CONS0008	0201	C	1000000040	USD	7/3/20
<input type="checkbox"/>	SW1.ZFTC001850082	CONS0011	0201	C	1000000040	USD	7/3/20
<input type="checkbox"/>	SW1.ZFTC001850093		0201	C	1000000040	USD	7/3/20
<input type="checkbox"/>	SW1.ZFTC001850097		0201	C	1000000052	USD	7/3/20
<input type="checkbox"/>	SW1.ZFTC001850099		0201	C	1000000040	USD	7/3/20
<input type="checkbox"/>	SW1.ZFTC001850103		0201	C	1000000040	USD	7/3/20
<input type="checkbox"/>	SW1.ZFTC001850064	CONS0004	0201	C	1000000040	USD	7/3/20
<input type="checkbox"/>	SW1.ZFTC001850068	CONS0006	0201	C	1000000040	USD	7/3/20
<input type="checkbox"/>	SW1.ZFTC001850070	CONS0007	0201	C	1000000040	USD	7/3/20
<input type="checkbox"/>	SW1.ZFTC001850074	CONS0009	0201	C	1000000040	USD	7/3/20
<input type="checkbox"/>	SW1.ZFTC001850076	CONS0010	0201	C	1000000040	USD	7/3/20
<input type="checkbox"/>	SW1.ZFTC001850095		0201	C	1000000040	USD	7/3/20
<input type="checkbox"/>	SW1.ZFTC001850101		0201	C	1000000052	USD	7/3/20
<input type="checkbox"/>	SW1.ZFTC001850087		0201	C	1000000040	USD	7/3/20

Here you can query on records based on the following criteria:

- Consolidated Reference
- Multi credit Reference Number
- Product Code
- Consolidation Status
- Settlement Account
- Settlement Currency
- Value Date

11. Processing of Non SWIFT Incoming Payment Messages

11.1 Introduction

One of the most important features of the Funds Transfer module of Oracle FLEXCUBE is the facility of processing incoming payment messages to their logical end without manual intervention. Even though the term Straight Through Processing (STP) refers to the processing of all sorts of incoming messages (without manual intervention), in this chapter, the term refers to STP of non SWIFT incoming Payment Messages alone.

The Common Payment Gateway infrastructure is used to upload data into FT and PC modules from sources that supply the data in a non SWIFT Format. Such non SWIFT sources will populate a single Oracle FLEXCUBE Upload data structure. Subsequently you can define rules to determine the module to which the uploaded contract belongs viz. PC or FT.

11.2 Maintaining Common Payment Gateway Message Parameters

For non SWIFT, incoming, payment message processing of uploaded funds transfer contracts, you would need to maintain all the reference information that you would typically maintain for normal funds transfer contracts, maintenances specific to straight through processing and a few other parameters which are specific to non SWIFT incoming payment message processing.

The basic information to be set up before the Common Payment Gateway message becomes operational can be broadly classified under:

- FT Product Maintenance
- Settlement Instructions Maintenance
- BIC Directory Maintenance
- Messaging Maintenance
- Media Maintenance
- Queue Maintenance
- Customer address maintenance
- Message Format Maintenance
- Product-Queue Message Type Mapping Maintenance
- STP Error Codes Maintenance (User Defined Error Codes)
- STP Rule Maintenance
- Branch-level STP Preferences
- Upload Source Preferences Maintenance
- External Account Maintenance (Reconciliation sub-system) Maintenance
- Overrides Maintenance

Maintenances specific to Non SWIFT Incoming Payment Messages

- Maintaining Common Payment Gateway Message
- Capturing preferences specific to common payment gateway messages
- Maintaining Labels for the user defined fields for common payment gateway messages

11.2.1 Maintaining Common Payment Gateway Messages

You can invoke the 'Common Payment Gateway Messages' screen by typing 'ISDBICPU' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

Fields						
Input By	ELIZA1	Date Time	Modification Number	<input checked="" type="checkbox"/>	Open	
Authorized By		Date Time		<input type="checkbox"/>	Authorized	

In the Common Payment Gateway Message Type screen, you have to maintain the following information:

Message Type

Specify the message type applicable for Common Payment Gateway Processing.

For more details on SEPA transactions, refer section 'Handling SEPA Credit Transfers and Direct Debits' in the chapter 'Processing a Payment or Collection Transaction' in Payment and Collections User Manual.

Description

Enter a brief description of the message type maintained.

11.2.1.1 Queues Maintenance

For more information about the Queues Maintenance screen, refer the STP chapter of this module.

11.2.1.2 Mapping Message Types to Products and Queues

For more information on Mapping Message Types to Product and Queues, refer the STP chapter of this module.

11.2.1.3 Maintaining Branch-Level STP Preferences

For more information on Maintaining Branch level STP preferences, refer the STP chapter of this module.

11.2.1.4 STP Rule Maintenance

For more information on STP Rule Maintenance, refer the STP chapter of this module.

11.2.1.5 Maintaining Error Codes

For more information on Error Code Maintenance, refer the STP chapter of this module.

11.2.1.6 UDF Label Maintenance

You can maintain labels for the thirty user defined fields of Common Payment Gateway messages in the UDF Label Mapping screen. You can invoke the 'Common Payment UDF Label Mapping Maintenance' screen by typing 'MSDCPYUD' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

Field Number *	Field Label
<input type="checkbox"/>	
<input type="checkbox"/>	
<input type="checkbox"/>	

You need to maintain the following information:

Message Type

Choose the message for which you need to maintain a label. Select the appropriate one from the adjoining option list.

Description

This will display a brief description of the chosen message type.

Field Number

Enter a UDF serial number ranging between one and thirty.

Field Label

Specify the label you wish to assign for the UDF. This label will be populated in the Common Payment Message Browser screen.

11.2.1.7 Maintaining Common Payment Gateway Message Type Preferences

You can maintain the details of the amendable fields for a common payment gateway message type in the Common Payment Gateway Message Type Preferences screen. You can invoke the 'Common Payment Message Type Preference Maintenance' screen by typing 'MSDMPYPR' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

Fields	
Input By	Date Time
Authorized By	Date Time
Modification Number	Open
	Authorized

The following details need to be maintained:

Message Type

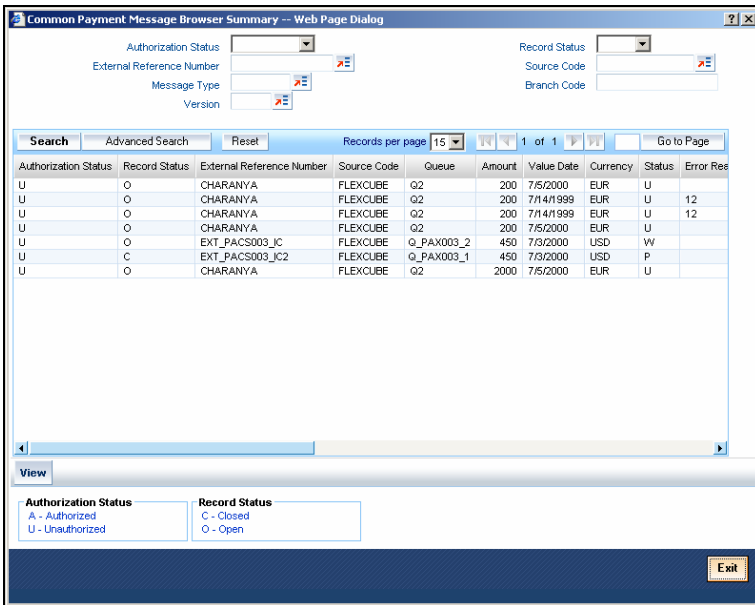
Choose the message type for which maintenance has to be performed. The adjoining option list displays all valid message types for the chosen source will be available for selection.

Field Name

Choose the field which you want to qualify as 'amendable'. The adjoining option list displays all the valid Common Payment Gateway fields.

11.3 Viewing Payment Gateway Browser

The Payment Gateway Browser acts as the repository of all common payment gateway transactions. You can invoke the 'Common Payment Message Browser Summary' screen by typing 'MSSPMTBR' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.



You can set certain filters as follows for viewing the details on this screen:

- Authorization Status
- External Reference Number
- Message Type
- Version
- Record Status
- Source Code
- Branch Code

Once you have set the filters you want, click 'Search' button to view the payment summary.

The screen will display a summarized version of the upload instructions and will contain the following details:

- Source of the transaction
- External Reference Number
- Message Type
- Queue Details
- Amount of the transaction
- Value Date
- Currency
- Status
- Error Reason
- Contract Reference Number
- Message Identification
- Message Name
- Message Creation Date
- End to End Identification

- Priority
- Service Level Code
- Charge Bearer
- Consolidation Required
- Instruction Date
- Customer Country
- Customer Identification
- Customer Identification Type
- Customer Identification Value
- Customer Identification Issuer
- Customer Other Identification Type
- Customer City Of Birth
- Customer Country Of Birth
- Customer Bank Code
- Beneficiary Country
- Counterparty Identification
- Counter party Identification Type
- Counterparty Identification Value
- Counter party Identification Issuer
- Counter party Other Identification Type
- Counterparty City Of Birth
- Counterparty Country Of Birth
- Initiating Party Name
- Initiating party Address Line 1
- Initiating party Address Line 2
- Initiating party Country
- Initiating Party Identification
- Initiating Party Identification Type
- Initiating Party Identification Value
- Initiating Party Identification Issuer
- Initiating Party Other Identification Type
- Initiating Party City Of Birth
- Initiating Party Country Of Birth
- Debtor Reference Party
- Creditor Reference Party
- Original Message ID
- Original Message Name
- Reject Originator Name
- Reject Originator Bank
- Reject Reference Number

- Reject Code Additional
- Original Source Reference Number
- Original Settlement Date
- Original Settlement Amount & Currency
- Settlement Method
- Clearing System ID
- Settlement Account No & currency
- Instructed Agent
- Instructing Agent
- File Reference No
- Service Identifier
- File Type
- Mandate ID
- Date of Signature
- Creditor Scheme ID
- Sequence Type
- Mandate Amend Indicator
- Original Mandate ID
- Original Creditor Scheme ID
- Original Creditor Scheme Name
- Original Debtor Account
- Original Debtor Bank
- Mandate Amend Type

You can do the following operations in the Common Payments Gateway Browser:

- Unlock -
 - This operation will allow amendment of contract details in the CPG browser. The fields allowed for amendment will be based on the field list maintained in the Message Type preferences maintenance.
 - The contracts in the repair status can be amended and a new version with the changes will be created with status as 'Unprocessed'.
 - The unauthorized contracts can be changed and the latest version of the contract will be updated with the changes.
- Delete –
 - This operation will allow deletion of contracts from the CPG browser. Only unauthorized contracts will be allowed for deletion.
- Close –
 - The contracts in the repair status can be rejected in the common payments gateway message browser.
 - On rejection the status of the message will be marked as rejected and reject message will be generated if the same is specified in the message type maintenance.
 - This operation will create a new version with the status change and should be authorized.
 - No further operation will be allowed on contracts with status 'Rejected'

- The following reject messages will be generated in the Common Payments Gateway browser on reject operation -
 - Customer payment status report – (pain.002.001.02) for customer initiated payments and direct debits.
 - Reject payment status Report – (pacs.002.001.02) for indirect participants outgoing payments and outgoing direct debits.
- Re-open –
 - This operation will mark the queue status as ‘Waiting for queue exchange’.
 - This can be done only on contracts with status as ‘Repair’.
 - This operation will create a new version with status as ‘Waiting for Queue Exchange’ and needs to be authorized.
- Authorize –
 - This operation will authorize an unauthorized contract.
 - Contracts that are repaired or closed or reopened need to be authorized.

You can query for common payment messages with different criteria by clicking the ‘Search’ button.

To get a detailed view of an upload instruction, click the ‘View’ button. It invokes the Common Payment Message Browser screen.

The following details pertaining to an upload transaction will be displayed in the Common Payment Message Browser screen:

Source Code

The source code is defaulted from the upload instruction and cannot be overridden by you during the edit operation.

External Reference Number

The system defaults the external reference number of the source from which the contract has been uploaded.

Version

This will display the version number of the change. If there are no changes, the version number will be 1 and for every change hence, it will be incremented with an audit trail

Queue

The system displays the queue number of the transaction. This number is generated by the system based on the rule definition for a source. You cannot override it during the edit operation.

Contract Reference Number

This system generates and displays the unique reference number which is used to identify the contract. It is generated automatically and sequentially.

Currency

The currency of the customer's account will be displayed here.

This is defaulted from the original instruction and you can modify this during edit operation if it has been defined as 'amendable' in the maintenance.

Amount

The transaction amount will be displayed here.

This is defaulted from the original instruction and you can modify this during edit operation if it has been defined as 'amendable' in the maintenance.

Status

The transaction status viz. Processed, Repair, Unprocessed, Waiting for Queue is system generated and you cannot override it during the edit operation.

Value Date

The value date of the transaction will be displayed here.

This is defaulted from the original instruction and you can modify this during edit operation if it has been defined as 'amendable' in the maintenance.

Error Reason

This will display the reason for the error if any. You cannot override this value during the edit operation.

11.3.1 Viewing 'Main' Tab Details


The following details of the transaction are displayed in the 'Main' tab of the Common Payment Message Browser screen and can be modified if you have defined it as an 'amendable' field in the message type maintenance.

- Customer Account Number
- Customer Currency

- Customer Value Date
- Customer Amount
- Customer Bank Code
- Exchange Rate
- Counterparty Account Number
- Counterparty Currency
- Counterparty Value Date
- Counterparty Amount
- Message Reference Number
- Message name
- Message Creation Date
- File Reference Number
- Service Identification
- File Type
- Reject Code which will display the reject code
- Reject Details
- Reference Number
- Originator Name
- Originator Bank
- Reject Code Additional
- Debtor Reference Party
- Creditor Reference Party
- Bank Operation Code
- Instruction Code
- Service ID
- UDF Details

11.3.2 Viewing 'Additional' Tab Details

The following details of the transaction are displayed in the 'Additional' tab of the Common Payment Message Browser screen.

 You can amend most of the below mentioned fields if you have defined it as an 'amendable' field in the message type maintenance.

11.3.2.1 Viewing Transaction Details

Charge Bearer

This indicates which party will bear the charges associated with payment. This will always have the value 'SLEV' for SCT and SDD.

Service Level Code

This indicates the service level rules under which the transaction should be processed.

Priority

This indicates the processing priority of the transaction.

End to End Id

This indicates the unique reference assigned by the initiating party for end to end identification of the transaction.

Instructing bank

This indicates the bank sending the transaction. You cannot modify this field.

Instructed bank

This indicates the bank receiving the transaction. You cannot modify this field.

Settlement Method

This indicates the method used to settle the transactions. You cannot modify this field.

Settlement Account Number

This indicates the settlement account used for the message bulk. This is applicable only for settlement method INDA or INGA.

Clearing System Id

This indicates the identification code of the clearing system. This is applicable only for settlement method 'CLRG'. You cannot modify this field.

Currency

This indicates the settlement currency used for the message bulk. This is applicable only for settlement method INDA or INGA.

11.3.2.2 Viewing Customer Identification**Identification**

This indicates the Debtor identification as Organization Identification or Private Identification.

Identification Type

This indicates the identification type of the Debtor.

Identification Value

This indicates the identification value for the type selected.

Issuer

This indicates the identification issuer of the debtor.

City of Birth

This indicates the customer's city of birth.

Country of Birth

This indicates the customer's country of birth.

11.3.2.3 Viewing Beneficiary Details**Identification**

This indicates the creditor identification as Organization Identification or Private Identification.

Identification Type

This indicates the identification type of the creditor.

Identification Value

This indicates the identification value for the type selected.

Issuer

This indicates the identification issuer of the creditor.

City of Birth

This indicates the beneficiary's city of birth.

Country of Birth

This indicates the beneficiary's country of birth.

11.3.3 Viewing 'Other Details' Tab

The following details of the transaction are displayed in the 'Other Details' tab of the 'Common Payment Message Browser' screen.

The screenshot shows a web page dialog titled "Common Payment Message Browser -- Web Page Dialog". It displays various transaction details in a grid format:

Source Code * FLEXCUBE	External Reference * CHARANYA	Version * 18
Queue Q2	Number	of 20
Currency EUR	Message Type 019	Contract Reference
Instruction Date	Amount 200	Number
	Value Date 7/14/1999	Status U
		Error Reason 12

Below the grid are tabs for "Main", "Settlement", "Additional", and "Other Details". The "Other Details" tab is active, showing the following sections:

- Initiation Party Details:** Name (IND001), Address Line1 (Bangalore), Address Line2, Country (FRN), Identification (Organizational Ident), Identification Type (BI), Identification Value (OURBANK1), Other Identification Type, Issuer, City of Birth, Country of Birth.
- Original Message Details:** Message Name, Message Reference Number, Source Reference, Settlement Date, Settlement Amount, Original Settlement Currency.
- Mandate Details:** Mandate Id, Mandate Sign Date, Mandate Amend Ind, Mandate Amend Type, Original Mandate Id, Original Creditor Scheme Id, Original Creditor Name, Original Debtor Bank, Original Debtor Account, DD Sequence Type.

At the bottom, there is a "Fields" section and a status bar with fields for "Input By RIZAL", "Date Time 7/3/2000 20:16:54", "Modification Number 1", "Open", "Authorized By", "Date Time", "Authorized", and an "Exit" button.

11.3.3.1 Viewing Initiation Party Details

Name

This indicates the name of the initiating party.

Address Line 1

This Indicates address line1 (like the Door No., street name etc) of the initiating party

Address Line 2

This indicates address line2 (like the Location etc) of the initiating party.

Country

This indicates the country code of the initiating party.

Identification

This indicates the initiating party identification as Organization Identification or Private Identification.

Identification Type

This indicates the identification type of the initiating party.

Identification Value

This indicates the identification value for the type selected.

Issuer

This indicates the Identification Issuer of the initiating party.

Other Identification Type

This indicates the type of other identification details.

City of Birth

This indicates the initiating party's city of birth.

Country of Birth

This indicates the initiating party's country of birth.

11.3.3.2 Viewing Original Message Details**Message Name**

This indicates the name identifier of the original message bulk. This is applicable only for payment return/refund and payment status report. You cannot modify this value.

Message Reference Number

This indicates the reference number of the original message bulk. This is applicable only for payment return/refund and payment status report. You cannot modify this value.

Source Reference

This indicates source reference number of the original transaction. You cannot modify this field.

Settlement Date

This indicates the original settlement date of the rejected/recalled transaction. You cannot modify this value.

Settlement Amount

This indicates the original settlement amount of the rejected/recalled transaction. You cannot modify this value.

Original Settlement Currency

This indicates the currency of the rejected/recalled transaction. You cannot modify this value.

11.3.3.3 Viewing Mandate Details**Mandate ID**

This indicates the reference of the direct debit mandate that has been signed by the debtor and the creditor. You cannot modify this value.

Mandate Sign Date

This indicates the date on which the direct debit mandate has been signed by the debtor. You cannot modify this value.

Mandate Amend Ind

This indicates if the mandate has been amended or not. You cannot modify this value.

Original Mandate ID

This indicates the mandate ID of the original mandate if the original mandate is amended. You cannot modify this value.

Original Creditor Scheme ID

This indicates the creditor identification code under the scheme. You cannot modify this value.

Original Creditor Name

This indicates the original creditor name. You cannot modify this field.

Original Debtor Bank

This indicates the original debtor bank. You cannot modify this field.

Original Debtor Account

This indicates the original debtor bank. You cannot modify this field.

DD Sequence Type

This indicates the direct debit sequence. The valid values are -

- FNAL – Final
- FRST – First
- OOFF – One Off collection
- RCUR – Recurring

You cannot modify this value.

Creditor Scheme ID

This indicates the creditor identification code under the scheme. You cannot modify this value.

11.3.3.4 Mapping between Common Payment Gateway Fields and FT Fields

Common Payment Gateway Field Name	FT Field Name
Source Code	Source Code
Source Reference	Source Reference, User Reference
Customer Account Branch	If FT type is "O" or "N", then it is Dr Account Branch, else it is Cr Account Branch
Customer Account Number	If FT type is "O" or "N", then it is Dr Account Number, else it is Cr Account Number
Customer Currency	If FT type is "O" or "N", then it is Dr Currency, else it is Cr Currency
Value Date	If FT type is "O" or "N", then it is Dr Value Date, else it is Cr Value Date
Amount	If FT type is "O" or "N", then it is Dr Amount, else it is Cr Amount
Exchange Rate	Exchange Rate
Counterparty Account Branch	If FT type is "I", then it is Dr Account Branch, else it is Cr Account Branch
Counterparty Account Number	If FT type is "I", then it is Dr Account Number, else it is Cr Account Number
Counterparty Currency	If FT type is "I", then it is Dr Currency, else it is Cr Currency
Counterparty Value Date	If FT type is "I", then it is Dr Value Date, else it is Cr Value Date
Amount	If FT type is "I", then it is Dr Amount, else it is Cr Amount
By Order Of	By Order Of
Our Correspondent Account	Our Correspondent Account
Our Correspondent	Our Correspondent
Receiver's Correspondent	Receiver's Correspondent

Common Payment Gateway Field Name	FT Field Name
Account With Institution	Account With Institution
Beneficiary Account	Beneficiary Line 1
Beneficiary	Beneficiary
Bank Operation Code	Bank Operation Code
Instruction Code	Instruction Code
Related Reference	Not Mapped
Reject Code	Not Mapped
Reject Detail	Not Mapped

11.3.3.5 Common Payments Gateway Message Upload

Common Payments Gateway Messages upload will process the payment as an instrument if an instrument type is linked as the product. In such a case, the instruments data store is populated based on the mappings mentioned above and the system shall invoke the instruments routine to upload the instrument record.

The upload of instruments with the following status will be through the common payments gateway – INIT, LIQD, CNCL and LOST. The other operations of upload will include reversal and amendment of issued drafts.

11.3.4 Maintaining 'Other Details1' Tab

You can maintain the following details of the SEPA transaction in the 'Other Details1' tab of the 'Common Payment Message Browser' screen.

The screenshot displays a web-based form titled "Common Payment Message Browser -- Webpage Dialog". The form is organized into several sections:

- Ultimate Debtor Identification Details:** Includes fields for Identification (Organization Identification), Identification Type (BI), Identification Value (RBOSGB2LXXX), Other Identification Type, Issuer, City of Birth, and Country of Birth.
- Ultimate Creditor Identification Details:** Includes fields for Identification (Organization Identification), Identification Type (BI), Identification Value (APACGB61010), Other Identification Type, Issuer, City of Birth, and Country of Birth.
- Purpose Details:** Includes fields for Category Purpose (CASH), Purpose Type (Code), Purpose Value (PURPOSE VALUE), Local Instrument Type (Code), Local Instrument Value (LOCAL INSTRUMENT VALUE), Electronic Signature (ELECTRONIC SIGNATURE), Compensation Ccy, and Compensation Amount.
- Creditor Scheme Details:** Includes fields for Identification (Private Identification), Identification Type (OI), Identification Value (CREDITOR-Webservices), Sync1, Scheme Type (SEPA), and Original Creditor Scheme Details (Identification, Name, Identification Type, Identification Value, Scheme Type).

At the bottom, there is a "Fields" section and a status bar with input and authorized user information, date/time (12/18/2007), modification number (1), and checkboxes for "Authorized" and "Open". An "Exit" button is also present.

11.3.4.1 Maintaining Ultimate Debtor Identification Details

Identification

Select the identification code of the ultimate debtor from the drop-down list. Following are the options available in the drop-down list:

- Organization Identification
- Private Identification

Identification Type

Specify the identification type of the ultimate debtor from the option list.

Identification Value

Specify the identification value of the ultimate debtor.

Other Identification Type

Specify the identification type of other identification specified for the ultimate debtor.

Issuer

Specify the other identification type issuer of ultimate debtor.

City of Birth

Specify the city of birth of ultimate debtor.

Country of Birth

Specify the country of birth of ultimate debtor.

11.3.4.2 Maintaining Ultimate Creditor Identification Details

Identification

Select the identification code of the ultimate creditor from the drop-down list. Following are the options available in the drop-down list:

- Organization Identification
- Private Identification

Identification Type

Specify the identification type of the ultimate creditor from the option list.

Identification Value

Specify the identification value of the ultimate creditor.

Other Identification Type

Specify the identification type of other identification specified for the ultimate creditor.

Issuer

Specify the other identification type issuer of ultimate creditor.

City of Birth

Specify the city of birth of ultimate creditor.

Country of Birth

Specify the country of birth of ultimate creditor.

11.3.4.3 Maintaining Purpose Details

Category Purpose

Specify the purpose of the credit transfer from the option list.

Purpose Type

Select the purpose type of the credit transfer from the drop-down list. Following are the options available in the drop-down list:

- Proprietary
- Code

Purpose Value

Specify the purpose value of the credit transfer.

Local Instrument Type

Select the local instrument type from the drop-down list. Following are the options available in the drop-down list:

- Proprietary
- Code

Local Instrument Value

Specify the local instrument value.

Electronic Signature

Specify the electronic signature of the debtor.

Compensation Currency

Specify the currency of the compensation amount that the debtor bank has to receive from the option list.



It should always be Euro (EUR)

Compensation Amount

Specify the amount that the debtor bank has to receive from the creditor bank.



It should always be Euro (EUR)

11.3.4.4 Maintaining Creditor Scheme Details

Scheme Identification

Select the scheme identification code of the creditor from the drop-down list. Following are the options available in the drop-down list:

- Private Identification

Scheme Identification Type

Specify the scheme identification type of the creditor from the option list.

Scheme Identification Value

Specify the scheme identification value of the creditor.

Scheme Type

Specify the scheme type of the creditor.

11.3.4.5 Maintaining Original Creditor Scheme Details

Scheme Identification

Select the scheme identification code of the original creditor from the drop-down list. Following are the options available in the drop-down list:

- Private Identification

Creditor Name

Specify the name of the original creditor.

Scheme Identification Type

Specify the scheme identification type of the original creditor from the option list.

Scheme Identification Value

Specify the scheme identification value of the original creditor.

Scheme Type

Specify the scheme type of the original creditor.

12. Annexure A - Accounting Entries and Advices for FTs

12.1 Accounting Entries for FTs

This section contains details of the suggested accounting entries that can be set up, for the FT module of Oracle FLEXCUBE. The details of the suggested accounting entries are listed event-wise.

12.2 FT Events

The following is an exhaustive list of events that can take place during the lifecycle of an FT. In the subsequent paragraphs we shall examine the accounting entries and advices for each of the events listed below.

Event Code	Event Description	Remarks
BOOK	<p>The Booking event is applicable for all FTs. There are no Entries booked during this event. For Future Value dated FTs this event is triggered on Input. However, when you capture a Normal FT, INIT is triggered immediately after BOOK. Booking is used for defining/linking the charges applicable for the transfer.</p> <p>Once this event is triggered the Contract Status changes to Active.</p>	All Types
INIT	<p>Initiation is when the entries relating to applicable Charges and Taxes are booked.</p> <p>For Outgoing and Internal FTs:</p> <p>Payment Messages/Debit and Credit advices are generated during this event.</p> <p>The Contract Status will be liquidated.</p> <p>For MCK's:</p> <p>The instrument is generated during this event</p> <p>After this event is triggered the Contract Status changes to Active.</p> <p>For Incoming FT:</p> <p>After this event is triggered the Contract Status changes to Active.</p> <p>Also, note that the Credit during this event for Incoming</p>	All Types

Event Code	Event Description	Remarks
	Transfers is to the DAO Account irrespective of whether the Ultimate Beneficiary account is known or not. If the Ultimate Beneficiary Account is known then LIQD is triggered along with INIT.	
AMND	This event is meant only for Future Valued FT contacts that have not been initiated i.e. the status of the contract is Active. Accounting entries are not booked during this event. However the contract status will remain Active.	Outgoing future valued FTs
CANC	This event is used to trigger Cancellation of a check that has already been issued and an MT 100 will be sent to that effect. This event will generate MT111. When this event is triggered the Contract Status changes to Cancelled.	Outgoing FTs where the Check on correspondent bank has been issued.
LIQD	For incoming FTs the DAO Account is debited and the Ultimate Beneficiary Account is Credited. For MCKs, the MCK Payable Account is debited and the Correspondent Account is credited. The status of the contract will be changed to Liquidated after this event is triggered.	Incoming FTs and MCKs
RATE	The Rate Update event fixes the rate for Future-Valued FTs.	Outgoing Future-Valued FTs
REVR	The Reversal of FT event reverses the financials of the contract completely. No further processing on the contract is possible after reversal. The status of the contract will be changed to Reversed when this event is triggered.	All Types
FXGN	The Fax Message Generation event is used to generate fax copies of MT100 and MT103. Charges can be collected for the same.	All Types
RECN	Reconcile for liquidating a Manager's Check Type FT.	MCK Type

12.3 Amount Tags

The amount tags listed below are hard-coded in Oracle FLEXCUBE.

Amount Tag	Description
AMT_EQUIV	Equivalent Amount – For Outgoing and Internal FTs this is the debit amount. For Incoming Transfers this is the Credit Amount.
TFR_AMT	Transfer Amount - For Outgoing and Internal FTs this is the Credit Amount. For Incoming FTs this is the Debit Amount.
FT_COURIR_CHG	Courier Charges
FT_FAX_CHG	Fax Charges
FT_MAIL_CHG	Mail Charges
FT_SWIFT_CHG	SWIFT Charges
FT_TELEX_CHG	Telex Charges
FT_RVR_CHGS	FT Receiver Charges
RVR_CHGS	Receiver Charges

In addition to these you can define a list of amount tags as per your requirements.

12.4 Accounting Roles

The following list contains details of the accounting Roles that are applicable to the FTs you can process at your bank.

Accounting Role	Description	Role Type
REMITTER	Remitter's account	Real/Type "X"
CUSTCHARGEACC	Customer account	Real/Type "X"
BENEFICIARY	Beneficiary account	Real/Type "X"


For your convenience we have defined a typical set of accounting entries for each of the events mentioned above, for an incoming and an outgoing funds transfer contract. Also note that some of the Amount Tag's linked to the Accounting Roles are user defined.

Outgoing FT Product (where payment is by message)

BOOK: Booking of an Outgoing FT Contract

If the charges are to be collected when the FT contract is booked, the entries that will be passed for the same would be as indicated below:

Accounting Role	Amount Tag	Dr./Cr. Indicator
CUSTCHARGEACC	<i>ChargeComp</i>	Debit
<i>ChargeComp</i> INC	<i>ChargeComp</i>	Credit

 Here, *ChargeComp* refers to the charge component that you have defined for the product involving the contract, through the Product-ICCF screen.

INIT: Initiation of an outgoing FT contract

Accounting Role	Amount Tag	Dr./Cr. Indicator
REMITTER	AMT_EQUIV	Debit
BENEFICIARY	TFR_AMT	Credit
CUSTCHARGEACC	<i>ChargeComp</i>	Debit
<i>ChargeComp</i> INC	<i>ChargeComp</i>	Credit

These two events shown above are the only events (with accounting) applicable for a simple outgoing FT product.

CINT: Consolidation Event for Messaging and Accounting

CINT is triggered during Closure of consolidated records. Consolidated accounting entries are passed after MT102 message is generated.

Accounting Role	Amount Tag	Dr./Cr.
MT102 Suspense GL (Outgoing) for Consolidated amount	TFR_AMT/AMT_EQUIV	Debit
Settlement Account/Beneficiary for Consolidated amount	TFR_AMT/AMT_EQUIV	Credit

In case the charge is borne by the beneficiary then the following entry is passed

Accounting Role	Amount Tag	Dr./Cr.
Settlement Account/Beneficiary for Consolidated amount	CHARGE COMPONENT	Debit
MT102 Suspense GL (Outgoing) for Consolidated Charge Amount	CHARGE COMPONENT	Credit

Payment Message for Multi Credit Transfer contracts will not be generated during contract authorization. The above entries would be passed using “Consolidated Accounting Entry” Reference number. The transaction codes used for these Accounting Entries would be picked up from Accounting Entries defined for the FT product. In case of multiple charges one pair of entries will be passed for each charge component. In case Netting is true for the accounting entries defined then netted entries would be passed.

Example 1:- Charge borne by 'Remitter'

Consider the following two outgoing FT Contracts –

Contract – 1 – Charge borne by Remitter = 42 INR			
Dr Remitter – A/c-01	42000 INR	42	42000 INR
Cr MT102 Outgoing Suspense	1000 USD	42	42000 INR
Dr Remitter – A/c-01	42 INR		42 INR
Cr Charge Income	42 INR		42 INR
Contract – 2 – Charge borne by Remitter = 41 INR			
Dr Remitter – A/c-02	41000 INR	41	41000 INR
Cr MT102 Outgoing Suspense	1000 USD	41	41000 INR
Dr Remitter – A/c-02	41 INR		41 INR
Cr Charge Income	41 INR		41 INR

During Consolidation –

Dr MT102 Outgoing Suspense	2000 USD	41.5	83000 INR
Cr Beneficiary	2000 USD	41.5	83000 INR

Example 2:- Charge borne by “Beneficiary” Consider the following two outgoing FT Contracts –

Contract – 1 – Charge borne by Beneficiary = 42 INR = 1 USD			
Dr Remitter – A/c-01	42000 INR	42	42000 INR
Cr MT102 Outgoing Suspense	1000 USD	42	42000 INR
Dr MT102 Outgoing Suspense	1 USD	42	42 INR
Cr Charge Income	1 USD	42	42 INR
Contract – 2 – Charge borne by Beneficiary = 41 INR = 1 USD			
Dr Remitter – A/c-02	41000 INR	41	41000 INR
Cr MT102 Outgoing Suspense	1000 USD	41	41000 INR

Contract – 1 – Charge borne by Beneficiary = 42 INR = 1 USD			
Dr MT102 Outgoing Suspense	1 USD	41	41 INR
Cr Charge Income	1 USD	41	41 INR

During Consolidation –

Dr MT102 Outgoing Suspense	2000 USD	41.5	83000 INR
Cr Beneficiary	2000 USD	41.5	83000 INR
Dr Beneficiary	2 USD	41.5	83 INR
Cr MT102 Outgoing Suspense	2 USD	41.5	83 INR

Accounting entries for Multi Financial Institution Transfer

In the case of Multi Financial Institution Transfer, consolidated accounting entries will be passed after the generation of MT203 message. The entries will be posted using 'Consolidated Accounting Entry' Reference number which was used for consolidation. The Transaction codes for the accounting entries will be selected from the Product Accounting Entries defined for the FT product. If 'Netting' has been enabled for the accounting entries, netted entries will be passed. CINT is not maintained at the product level. They are automatically triggered for a MT102/ MT203 kind of contract.

Accounting Role	Dr./Cr. Indicator
Suspense GL(Outgoing) for consolidated amount	Dr
Settlement/Beneficiary for consolidated amount	Cr

REVERSAL: Reversal of an Outgoing Multi Credit Financial Institution Transfer

During reversal process, accounting entries will be posted with the negative transaction amount.

Case 1: Outgoing Payment for which MT 203 is not generated.

Accounting Role	Dr./Cr. Indicator
REMITTER	Debit
Outgoing Suspense GL	Credit

The total consolidated amount will be adjusted and the corresponding contract will be removed from the consolidation queue.

Case 2: Outgoing Payment for which MT 203 is already generated.

An override will be displayed stating the 'Message has already been generated'. If you confirm the override, Reversal will be effected.

Accounting Role	Dr./Cr. Indicator
REMITTER	Debit
Outgoing Suspense GL	Credit
Outgoing Suspense GL	Debit
Beneficiary	Credit

Incoming FT Product

BOOK: Booking of an Incoming FT Contract

If the charges are to be collected when the FT contract is booked, the entries that will be passed for the same would be as indicated below:

Accounting Role	Amount Tag	Dr./Cr. Indicator
CUSTCHARGEACC	<i>ChargeComp</i>	Debit
<i>ChargeComp</i> INC	<i>ChargeComp</i>	Credit

INIT: Initiation of an incoming FT contract

Accounting Role	Amount Tag	Dr./Cr. Indicator
REMITTER	TFR_AMT	Debit
ADVISED_OUTSTD	AMT_EQUIV	Credit
CUSTCHARGEACC	<i>ChargeComp</i>	Debit
<i>ChargeComp</i> INC	<i>Charge Comp</i>	Credit

While processing an incoming payment message where the value for field 71A is 'OUR' and 71G is also present, the system will compute the transfer amount by subtracting the receiver's charges from the credit amount. In such cases, the following accounting entries will be passed for the INIT event:

Accounting Role	Amount Tag	Dr./Cr. Indicator
REMITTER	TFR_AMT	Debit
BENEFICIARY	AMT_EQUIV	Credit
CUSTCHARGEACC	FT_RVR_CHG	Debit
FT_RVR_CHGINC	FT_RVR_CHG	Credit

The 'ADVISED_OUTSTD' role is a role that must be mapped to the "Advised Outstanding" (payable) GL in the Product Role to Head Mapping, for the product involving the contract.

LIQD: of an Incoming FT

Accounting Role	Amount Tag	Dr./Cr. Indicator
ADVISED_OUTSTD	AMT_EQUIV	Debit
BENEFICIARY	AMT_EQUIV	Credit
CUSTCHARGEACC	<i>ChargeComp</i>	Debit
<i>ChargeComp</i> INC	<i>ChargeComp</i>	Credit

Outgoing FT Product such as Manager's Check Product (where payment is by instrument)

BOOK: Booking of an Outgoing FT Contract

If the charges are to be collected when the FT contract is booked, the entries that will be passed for the same would be as indicated below:

Accounting Role	Amount Tag	Dr./Cr. Indicator
CUSTCHARGEACC	<i>ChargeComp</i>	Debit
<i>ChargeComp</i> INC	<i>ChargeComp</i>	Credit



Here, *ChargeComp* refers to the charge component that you have defined for the product involving the contract, through the Product-ICCF screen.

INIT: Initiation of an outgoing FT contract

Accounting Role	Amount Tag	Dr./Cr. Indicator
REMITTER	AMT_EQUIV	Debit
ADVISED_OUTSTD	TFR_AMT	Credit
CUSTCHARGEACC	<i>ChargeComp</i>	Debit
<i>ChargeComp</i> INC	<i>ChargeComp</i>	Credit

LIQD: Liquidation of an Outgoing (MCK) type of FT

Accounting Role	Amount Tag	Dr./Cr. Indicator
ADVISED_OUTSTD	AMT_EQUIV	Debit
BENEFICIARY	AMT_EQUIV	Credit
CUSTCHARGEACC	<i>ChargeComp</i>	Debit
<i>ChargeComp</i> INC	<i>ChargeComp</i>	Credit

Off-Balance Sheet Accounting for All Future Dated Transfers

BOOK: Booking of a Transaction

Dr./Cr. Indicator	Accounting Role	Amount Tag	Value Date
Dr	OFF_BALANCE_DR	AMT_EQUIV	Book Date
Cr	OFF_BALANCE_CR	TFR_AMT	Book Date

INIT: Initiation of a Transaction

Dr./Cr. Indicator	Accounting Role	Amount Tag	Value Date
Cr	OFF_BALANCE_DR	AMT_EQUIV	Dr Value Date
Dr	OFF_BALANCE_CR	TFR_AMT	Dr Value Date

LIQD: Liquidation of a Transaction

Dr./Cr. Indicator	Accounting Role	Amount Tag	Value Date
Dr	REMITTER	AMT_EQUIV	Dr Value Date
Cr	BENEFICIARY	TFR_AMT	Cr Value Date

Accounting entries if debit value date is lesser than credit value date are as follows:

BOOK: Booking of a Transaction

Dr./Cr. Indicator	Accounting Role	Amount Tag	Value Date
Dr	OFF_BALANCE_DR	AMT_EQUIV	Book Date
Cr	OFF_BALANCE_CR	TFR_AMT	Book Date

INIT: Initiation of a Transaction

Dr./Cr. Indicator	Accounting Role	Amount Tag	Value Date
Cr	OFF_BALANCE_DR	AMT_EQUIV	Dr Value Date
Dr	OFF_BALANCE_CR	TFR_AMT	Dr Value Date

LIQD: Liquidation of a Transaction

Dr./Cr. Indicator	Accounting Role	Amount Tag	Value Date
Dr	REMITTER	AMT_EQUIV	Dr Value Date
Cr	INTMD_SUSPENSE	TFR_AMT	Dr Value Date

Accounting entries if debit value date is lesser than credit value date are as follows:

Dr./Cr. Indicator	Accounting Role	Amount Tag	Value Date
Dr	INTMD_SUSPENSE	TFR_AMT	Dr Value Date
Cr	BENEFICIARY	TFR_AMT	Cr Value Date

The other events do not require any accounting entry definition to be maintained.

REVR: Reversal for Outgoing Multi Credit Customer Transfers:

Example1: Outgoing Payment for which MT 102 is not generated

Accounting Role	Amount Tag	Dr./Cr. Indicator
Remitter		Debit
Remitter		Credit

The Total Consolidated amount will be adjusted for the same Corresponding contract and will be removed from the consolidation queue. If the charges are being borne by the beneficiary the following entry will be passed:

Accounting Role	Amount Tag	Dr./Cr. Indicator
MT102 Suspense		Debit
Charge Income		Credit

Example 2: Outgoing Payment for which MT 102 is already generated

A configurable override -'Message has already been generated' will appear on your screen. If you click 'Ok,' then a reversal will be affected. In this case, the reversed contract will pass the following entries

Accounting Role	Amount Tag	Dr./Cr. Indicator
Remitter		Debit

Accounting Role	Amount Tag	Dr./Cr. Indicator
MT102 Suspense		Credit
MT102 Suspense		Debit
Beneficiary		Credit

In case the charges are being borne by the beneficiary:

Accounting Role	Amount Tag	Dr./Cr. Indicator
MT102 Suspense		Debit
Charge Income		Credit
Beneficiary		Debit
MT102 Suspense		Credit

12.5 Advices for FT

In this section you will find an event-wise listing of advices that can be generated during the life-cycle of an FT.

12.5.1 FT Messages

The following is an exhaustive list of messages that can be generated for an FT.

Message	Description	SWI FT	Mail	Telex	FAX	From	To
PAYMENT_MESSAGE - CUST_TRANSFER	Customer Transfer	Y	Y	Y	N	SB	RB/AWI
PAYMENT_MESSAGE - COVER	Cover for Customer Transfer (Old format of MT 202)	Y	Y	Y	N	SB	CB
PAYMENT_MESSAGE - BANK_TRANSFER	Bank transfer with cover	Y	Y	Y	N	SB	CB
PAYMENT_MESSAGE - OWN_AC_TRANSFER	Bank transfer for own account	Y	Y	Y	N	SB	CB
PAYMENT_MESSAGE - COVERL	Cover for Customer Transfer (Old format of MT	Y	Y	Y	N	SB	CB

Message	Description	SWIFT	Mail	Telex	FAX	From	To
	205)						
PAYMENT_MESSAGE - CUST_COVERL	Customer Transfer With Cover (New format of MT 205)	Y	Y	Y	N	SB	CB
PAYMENT_MESSAGE - CUST_COVER	Customer Transfer With Cover (New format of MT 202)	Y	Y	Y	N	SB	CB
PAYMENT_MESSAGE - CUST_TSFR_RTGS	Customer Transfer (RTGS)	Y	Y	Y	N	SB	CB
PAYMENT_MESSAGE - COVER_RTGS	Cover for Customer Transfer (RTGS)(Old format of MT 202-RTGS)	Y	Y	Y	N	SB	CB
PAYMENT_MESSAGE - CUST_RTGS_COV	Customer Transfer With Cover (RTGS) (New format of MT 202-RTGS)	Y	Y	Y	N	SB	CB
PAYMENT_MESSAGE - BANK_TSFR_RTGS	Bank Transfer (RTGS)	Y	Y	Y	N	SB	CB
BANKER_CHQ	Banker's Check Issue	Y	Y	N	N	SB	SC
CHARGE_CLAIM	Charge Claim Advice	Y	Y	N	N	Bank entitled to claim charges	RC
DRAFT_PENDING	Draft Pending Advice						
DR_ADV	Debit Advice	Y	Y	N	N	Sender/UBB	CUST (REM/BEN)
CR_ADV	Credit Advice	Y	Y	N	N	UBB	BEN

Message	Description	SWIFT	Mail	Telex	FAX	From	To
FAX_PMT_MSG	Fax Payment Message	Y	Y	N	Y	SB	REM (OC)
REQ_TRANSFER	Request for Transfer	Y	Y	N	N	OB	SB
STOP_PMNT	Stop Payment on Banker's Check	Y	Y	N	N	SB	SC
CONS_OWNAAC_TFR	Customers Own Account Transfer						

12.5.2 Party Type Abbreviations

This is an exhaustive list of the parties that can be involved in an FT.

Code	Party Type
AWI	Account with Institution
BEN	Beneficiary
CUST	Customer
CB	Correspondent Bank
OB	Ordering Bank
OC	Ordering Customer
REM	Remitter
RB	Receiver's Bank
RC	Receiver's Correspondent
SB	Sender Bank
SC	Sender's Correspondent
UBB	Ultimate Beneficiary Bank

12.5.3 FT Event Messages

INIT: Initiation of an FT

Advice Name	Advice Description
BANKER_CHQ	MT 110 - Banker's check.
CHARGE_CLAIM	MT 191 - Charge claim advice sent to the previous bank in the chain to claim charges due to our bank.
DEBIT_ADVICE	Debit advice sent to the customer upon debiting the customer account with the transfer amount.
DRAFT_PENDING	Draft Pending advice.
PAYMENT_MESSAGE	<p>Payment Messages are sent depending on the transfer type being processed. Listed below are the various payment messages that can be sent while processing different types of FTs:</p> <p>MT103 - Multiple customer transfer with cover</p> <p>MT202 – Bank Transfer/Cover</p> <p>MT200 -.Bank Transfer for own account</p> <p>MT900 - Confirmation of Debit</p> <p>MT910 - Confirmation of Credit</p> <p>MT103+ - Customer transfer</p> <p>MT 102 – Multiple Customer transfer</p> <p>MT 102+ - Multiple Customer transfer</p> <p>MT 203 – Multiple Bank transfer</p> <p>MT 202COV – Customer Transfer with Cover</p> <p>MT 205COV – Customer transfer with Cover</p> <p>Note: At FT Product level, only Payment message advice needs to be maintained. System will resolve one of the above messages as per Branch Param/ BIC / CIF / Country / Product / Contract level as the case may be.</p>
RECEIVE_NOTICE	<p>Advice sent to the previous bank in the transfer chain to claim receivable funds.</p> <p>MT 210 – Receiver's Notice</p>

CANC: Cancellation of Banker's Check

Advice Name	Advice Description
DEBIT_ADVICE	When charges for cancellation have been defined the Debit Advice is sent to the Customer after debiting the customer account.
STOP_PMNT	MT 111 - Banker's check cancellation advice is sent to the SC from the SB.

FXGN: Adhoc generation of Pay Message copy

Advice Name	Advice Description
FAX_PMT_MSG	MT 103 - A copy of the Customer Transfer message is sent to the OC.

LIQD: Liquidation

Advice Name	Advice Description
CREDIT_ADVICE	Advice sent to the Beneficiary upon crediting the transfer amount to the Beneficiary account.
DEBIT_ADVICE	While debiting the transfer amount the debit advice is sent to the Remitter. The Debit advice is to be sent to the Bearer of Charges while debiting the charge amount.

REVR: Reversal

Advice Name	Advice Description
DEBIT_ADVICE	When charges are to be debited the debit advice is sent to the bearer of charges.
STOP_PMNT	MT 111 - Banker's check cancellation advice is sent to the correspondent bank provided the MT 110 (bankers check) has already been generated and the cancellation advice has not been generated through any other event.

Accounting Entry definition for receiver bank charges in MT103 are as follows:

Dr.	Remitter	AMT_EQUIV
Cr.	Beneficiary	TFR_AMT
Dr.	Custchargeacc	CHARGES (Own)
Cr.	Charge Inc	CHARGES (Own)
Dr.	Custchargeacc	FT_RVR_CHGS
Cr.	Beneficiary	RVR_CHGS

13. Annexure B - Derivation of Debit and Credit Accounts for STP

13.1 Introduction

This is one of the most important steps in the message upload process. It is through this step that the system identifies the accounts that have to be debited and credited for the resultant FT contract.

For instance, if the incoming message is an MT 100 sent by the Bank's correspondent, which orders the Bank to pay a certain sum to a customer of the Bank, the system (from the message) deciphers that the Debit account is the relevant nostro account (mirror of it's account with the Sender of the MT 100) and that the Credit account is the relevant customer's account. The logic for derivation of the debit and credit account depends upon the incoming payment message type, viz. whether the incoming message is an MT 100, 103, 200 or a 202. While derivation of the debit account is primarily driven by the contents of fields 53 to 55 of the incoming message, the derivation of the credit account is primarily driven by the contents of the fields 56 to 59, together with the settlement instructions maintenance table, where the Standard Settlement Instructions are maintained for both Customers and BIC's.

The step-wise sequence of the derivation logic of both the debit account and credit account is given below for each of the incoming payment message types.



The list of checks (C1, C2, etc.) that have been listed in each of the tables are summarized at the end of this section. The checks are common across message types.

13.1.1 Derivation of Debit Account (MT 100/103)

The logic of deriving the Debit account for an incoming MT 100 / 103 is summarized below:

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
1	MT 103	55B					Go to next priority field	Mark SWIFT Message for repair.	
			1.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C1 & C2 and process accordingly.

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
			1.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
			1.3	Account Line	/[Account Number]	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
2	MT 103	55A					Go to next priority field	Mark SWIFT Message for repair.	
			2.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C1, C4 & C2 and process accordingly.
			2.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3, C4 & C2 and process accordingly.
			2.3	Account Line	/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3, C4 & C2 and process accordingly.

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
									gly.
			2.4	SWIFT BIC	SSI for SWIFT BIC + Payment Currency	Derive Debit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Checks C5 & C2 and process accordingly.
			2.5	SWIFT BIC	SSI for SWIFT BIC's Customer + Payment Currency	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C5 & C2 and process accordingly.
3	MT 103	55D					Go to next priority field	Mark SWIFT Message for repair.	
			3.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C1 & C2 and process accordingly.
			3.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
			3.3	Account Line	/[Account Number]	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
4	MT 100	72					Go to next priority field	Go to next priority field	
			4.1	Any line	SSI for SWIFT BIC + Payment Currency. SWIFT BIC should be specified in the format '/RCB/[SWIFT BIC]'	Derive Debit Account	Go to next priority field	Go to next sub priority field	Perform Checks C5 & C2 and process accordingly.
			4.2	Any line	SSI for SWIFT BIC's Customer + Payment Currency. SWIFT BIC should be specified in the format '/RCB/[SWIFT BIC]'	Derive Debit Account	Go to next priority field	Mark SWIFT Message for repair.	Perform Checks C5 & C2 and process accordingly.
5	MT 100 & MT 103	54B					Go to next priority field	Mark SWIFT Message for repair.	
			5.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority	Mark SWIFT Message for	Perform Checks C1 & C2 and process

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
							y field	repair.	accordingly.
			5.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
			5.3	Account Line	/[Account Number]	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
6	MT 100 & MT 103	54A					Go to next priority field	Mark SWIFT Message for repair.	
			6.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C1, C4 & C2 and process accordingly.
			6.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3, C4 & C2 and process accordingly.
			6.3	Account Line	/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3, C4 & C2 and

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
									process accordingly.
			6.4	SWIFT BIC	SSI for SWIFT BIC + Payment Currency	Derive Debit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Checks C5 & C2 and process accordingly.
			6.5	SWIFT BIC	SSI for SWIFT BIC's Customer + Payment Currency	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C5 & C2 and process accordingly.
7	MT 100 & MT 103	54D					Go to next priority field	Mark SWIFT Message for repair.	
			7.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C1 & C2 and process accordingly.
			7.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
			7.3	Account Line	/[Account Number]	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
									gly.
8	MT 100 & MT 103	53B					Go to next priority field	Mark SWIFT Message for repair.	
			8.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C1 & C2 and process accordingly.
			8.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
			8.3	Account Line	/[Account Number]	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
9	MT 100 & MT 103	53A					Go to next priority field	Mark SWIFT Message for repair.	
			9.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C1, C4 & C2 and process accordingly.

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
			9.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3, C4 & C2 and process accordingly.
			9.3	Account Line	/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3, C4 & C2 and process accordingly.
			9.4	SWIFT BIC	SSI for SWIFT BIC + Payment Currency	Derive Debit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Checks C5 & C2 and process accordingly.
			9.5	SWIFT BIC	SSI for SWIFT BIC's Customer + Payment Currency	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C5 & C2 and process accordingly.
10	MT 100 & MT 103	53D					Go to next priority field	Mark SWIFT Message for repair.	
			10.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C1 & C2 and process accordingly.

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
			10.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
			10.3	Account Line	/[Account Number]	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
11	MT 100 & MT 103	Sender SWIFT BIC					Mark SWIFT Message for repair.	Check whether SWIFT Message has to be moved to the Cover Matching queue else mark SWIFT Message for repair.	
			11.1	SWIFT BIC	SSI for SWIFT BIC + Payment Currency	Derive Debit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Checks C5 & C2 and process accordingly.
			11.2	SWIFT BIC	SSI for SWIFT BIC's Customer + Payment	Derive Debit Account	Mark SWIFT Message for	Check whether SWIFT Message has to be	Perform Checks C5 & C2 and process according

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
					Currency		repair.	moved to the Cover Matching queue else mark SWIFT Message for repair.	gly.

13.1.2 Derivation of Credit Account (MT 100/103)

The logic of deriving the Credit account for an incoming MT 100 / 103 is summarized below:

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
1	MT 100 & MT 103	56A					Go to next priority field	Mark SWIFT Message for repair.	
			1.1	SWIFT BIC	:56A:[SWIFT BIC]	Check and Validate SWIFT BIC	Mark SWIFT Message for repair.	If Check C6 fails then Go to next sub priority field.	If Check C6 succeeds then Go to next priority field
			1.2	Account Line	//SC[Local Clearing Code]	Check and Validate Local Clearing Codes	Go to next sub priority field	If Check C7 fails then Go to next sub priority field.	If Check C7 succeeds then Go to next priority field

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
			1.3	Account Line	/C/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C8 and process accordingly.
			1.4	Account Line	/D/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			1.5	Account Line	/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			1.6	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly.
			1.7	SWIFT BIC	SSI for SWIFT BIC + Payment Currency	Derive Credit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Check C5 and process accordingly.
			1.8	SWIFT BIC	SSI for SWIFT BIC's Customer + Payment Currency	Derive Credit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Check C5 and process accordingly.
			1.9	SWIFT BIC	:56A:[SWIFT BIC]	Derive Credit Account	Mark SWIFT Message for	Mark SWIFT Message for repair.	Perform Check C11 and process according

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
							repair.		gly.
2	MT 103	56C					Go to next priority field	Mark SWIFT Message for repair.	
			2.1	Account Line	//SC[Local Clearing Code]	Check and Validate Local Clearing Codes	Go to next sub priority field	If Check 7 fails then Go to next sub priority field.	If Check C7 succeeds then Go to next priority field
			2.2	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly.
			2.3	Account Line	//SC[Local Clearing Code][Account Number] or //SC[Local Clearing Code]	Derive Credit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Check C12 and process accordingly.
3	MT 100 & MT 103	56D					Go to next priority field	Mark SWIFT Message for repair.	
			3.1	Account Line	//SC[Local Clearing Code]	Check and Validate Local Clearing Codes	Go to next sub priority field	If Check 7 fails then Go to next sub priority field.	If Check C7 succeeds then Go to next priority

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
									field
			3.2	Account Line	/C/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C8 and process accordingly.
			3.3	Account Line	/D/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			3.4	Account Line	/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			3.5	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly.
			3.6	Account Line	//SC[Local Clearing Code][Account Number] or //SC[Local Clearing Code]	Derive Credit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Check C12 and process accordingly.
4	MT 100 & MT 103	57B					Go to next priority field	Mark SWIFT Message for repair.	
			4.1	Acco	//SC[Local	Check	Go to	If Check	If Check

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
				unt Line	Clearing Code]	and Validate Local Clearing Codes	next sub priority field	7 fails then Go to next sub priority field.	C7 succeeds then Go to next priority field
			4.2	Account Line	/C/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C8 and process accordingly.
			4.3	Account Line	/D/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			4.4	Account Line	/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			4.5	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly.
			4.6	Account Line	//SC[Local Clearing Code][Account Number] or //SC[Local Clearing Code]	Derive Credit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Check C12 and process accordingly.
5	MT 100 &	57A					Go to next	Mark SWIFT	

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
	MT 103						priority field	Message for repair.	
			5.1	SWIFT BIC	:57A:[SWIFT BIC]	Check and Validate SWIFT BIC	Mark SWIFT Message for repair.	If Check 6 fails then Go to next sub priority field.	If Check C6 succeeds then Go to next priority field
			5.2	Account Line	//SC[Local Clearing Code]	Check and Validate Local Clearing Codes	Go to next sub priority field	If Check 7 fails then Go to next sub priority field.	If Check C7 succeeds then Go to next priority field
			5.3	Account Line	/C/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C8 and process accordingly.
			5.4	Account Line	/D/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			5.5	Account Line	/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			5.6	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
									gly.
			5.7	SWIFT BIC	SSI for SWIFT BIC + Payment Currency	Derive Credit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Check C5 and process accordingly.
			5.8	SWIFT BIC	SSI for SWIFT BIC's Customer + Payment Currency	Derive Credit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Check C5 and process accordingly.
			5.9	SWIFT BIC	:57A:[SWIFT BIC]	Derive Credit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Check C11 and process accordingly.
6	MT 103	57C					Go to next priority field	Mark SWIFT Message for repair.	
			6.1	Account Line	//SC[Local Clearing Code]	Check and Validate Local Clearing Codes	Go to next sub priority field	If Check 7 fails then Go to next sub priority field.	If Check C7 succeeds then Go to next priority field
			6.2	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly.
			6.3	Account	//SC[Local Clearing	Derive Credit	Mark SWIFT	Mark SWIFT	Perform Check

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
				Line	Code][Account Number] or //SC[Local Clearing Code]	Account	T Message for repair.	Message for repair.	C12 and process accordingly.
7	MT 100 & MT 103	57D					Go to next priority field	Mark SWIFT Message for repair.	
			7.1	Account Line	//SC[Local Clearing Code]	Check and Validate Local Clearing Codes	Go to next sub priority field	If Check 7 fails then Go to next sub priority field.	If Check C7 succeeds then Go to next priority field
			7.2	Account Line	/C/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C8 and process accordingly.
			7.3	Account Line	/D/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			7.4	Account Line	/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			7.5	Account Line	//SC[Local Clearing Code][Account	Derive Credit Account	Go to next sub priority	Mark SWIFT Message for	Perform Check C10 and process

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
					Number]		y field	repair.	accordingly.
			7.6	Account Line	//SC[Local Clearing Code][Account Number] or //SC[Local Clearing Code]	Derive Credit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Check C12 and process accordingly.
8	MT 103	59A					Go to next priority field	Mark SWIFT Message for repair.	
			8.1	Account Line	/D/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			8.2	Account Line	/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			8.3	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly.
			8.4	SWIFT BIC	SSI for SWIFT BIC + Payment Currency	Derive Credit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Check C5 and process accordingly.

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
			8.5	SWIFT BIC	SSI for SWIFT BIC's Customer + Payment Currency	Derive Credit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Check C5 and process accordingly.
9	MT 100 & MT 103	59					Go to next priority field	Mark SWIFT Message for repair.	
			9.1	Account Line	/D/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			9.2	Account Line	/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			9.3	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly.
10	MT 100 & MT 103	72					Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	
			9.1	Line 1	/BNF/[Account Number]	Derive Credit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.

13.1.3 Derivation of Debit Account (MT 200)

The logic of deriving the Debit account for an incoming MT 200 is summarized below:

13.1.4 Derivation of Credit Account (MT 200)

The logic of deriving the Credit account for an incoming MT 200 is summarized below:

13.1.5 Derivation of Debit Account (MT 202)

The logic of deriving the Debit account for an incoming MT 202 is summarized below:

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
1	MT 202	54B					Go to next priority field	Mark SWIFT Message for repair.	
			1.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C1 & C2 and process accordingly.
			1.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
			1.3	Account Line	/[Account Number]	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
2	MT 202	54A					Go to next priority field	Mark SWIFT Message for repair.	

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
			2.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C1, C4 & C2 and process accordingly.
			2.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3, C4 & C2 and process accordingly.
			2.3	Account Line	/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3, C4 & C2 and process accordingly.
			2.4	SWIFT BIC	SSI for SWIFT BIC + Payment Currency	Derive Debit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Checks C5 & C2 and process accordingly.
			2.5	SWIFT BIC	SSI for SWIFT BIC's Customer + Payment Currency	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C5 & C2 and process accordingly.
3	MT 202	54D					Go to next priority	Mark SWIFT Message for	

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
							field	repair.	
			3.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C1 & C2 and process accordingly.
			3.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
			3.3	Account Line	/[Account Number]	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
4	MT 202	53B					Go to next priority field	Mark SWIFT Message for repair.	
			4.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C1 & C2 and process accordingly.
			4.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
			4.3	Account Line	/[Account Number]	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
5	MT 202	53A					Go to next priority field	Mark SWIFT Message for repair.	
			5.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C1, C4 & C2 and process accordingly.
			5.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3, C4 & C2 and process accordingly.
			5.3	Account Line	/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3, C4 & C2 and process accordingly.
			5.4	SWIFT BIC	SSI for SWIFT BIC + Payment Currency	Derive Debit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Checks C5 & C2 and process accordingly.

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
									gly.
			5.5	SWIFT BIC	SSI for SWIFT BIC's Customer + Payment Currency	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C5 & C2 and process accordingly.
6	MT 202	53D					Go to next priority field	Mark SWIFT Message for repair.	
			6.1	Account Line	/C/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C1 & C2 and process accordingly.
			6.2	Account Line	/D/[Account Number]	Derive Debit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
			6.3	Account Line	/[Account Number]	Derive Debit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Checks C3 & C2 and process accordingly.
7	MT 202	Sender SWIFT BIC					Mark SWIFT Message for repair.	Check whether SWIFT Message has to be moved	

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
								to the Cover Matching queue else mark SWIFT Message for repair.	
			7.1	SWIFT BIC	SSI for SWIFT BIC + Payment Currency	Derive Debit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Checks C5 & C2 and process accordingly.
			7.2	SWIFT BIC	SSI for SWIFT BIC's Customer + Payment Currency	Derive Debit Account	Mark SWIFT Message for repair.	Check whether SWIFT Message has to be moved to the Cover Matching queue else mark SWIFT Message for repair.	Perform Checks C5 & C2 and process accordingly.

13.1.6 Derivation of Credit Account (MT 202)

The logic of deriving the Credit account for an incoming MT 202 is summarized below:

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
1	MT 202	56A					Go to next priority field	Mark SWIFT Message for repair.	
			1.1	SWIFT BIC	:56A:[SWIFT BIC]	Check and Validate SWIFT BIC	Mark SWIFT Message for repair.	If Check 6 fails then Go to next sub priority field.	If Check C6 succeeds then Go to next priority field
			1.2	Account Line	//SC[Local Clearing Code]	Check and Validate Local Clearing Codes	Go to next sub priority field	If Check 7 fails then Go to next sub priority field.	If Check C7 succeeds then Go to next priority field
			1.3	Account Line	/C/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C8 and process accordingly.
			1.4	Account Line	/D/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			1.5	Account Line	/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
			1.6	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly.
			1.7	SWIFT BIC	SSI for SWIFT BIC + Payment Currency	Derive Credit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Check C5 and process accordingly.
			1.8	SWIFT BIC	SSI for SWIFT BIC's Customer + Payment Currency	Derive Credit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Check C5 and process accordingly.
			1.9	SWIFT BIC	:56A:[SWIFT BIC]	Derive Credit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Check C11 and process accordingly.
2	MT 202	56D					Go to next priority field	Mark SWIFT Message for repair.	
			2.1	Account Line	//SC[Local Clearing Code]	Check and Validate Local Clearing Codes	Go to next sub priority field	If Check 7 fails then Go to next sub priority field.	If Check C7 succeeds then Go to next priority field
			2.2	Account Line	/C/[Account Number]	Derive Credit Account	Go to next sub priority	Mark SWIFT Message for	Perform Check C8 and process according

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
							y field	repair.	gly.
			2.3	Account Line	/D/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			2.4	Account Line	/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			2.5	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly.
			2.6	Account Line	//SC[Local Clearing Code][Account Number] or //SC[Local Clearing Code]	Derive Credit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Check C12 and process accordingly.
3	MT 202	57B					Go to next priority field	Mark SWIFT Message for repair.	
			3.1	Account Line	//SC[Local Clearing Code]	Check and Validate Local Clearing Codes	Go to next sub priority field	If Check 7 fails then Go to next sub priority field.	If Check C7 succeeds then Go to next priority field

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
			3.2	Account Line	/C/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C8 and process accordingly.
			3.3	Account Line	/D/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			3.4	Account Line	/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			3.5	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly.
			3.6	Account Line	//SC[Local Clearing Code][Account Number] or //SC[Local Clearing Code]	Derive Credit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Check C12 and process accordingly.
4	MT 202	57A					Go to next priority field	Mark SWIFT Message for repair.	
			4.1	SWIFT BIC	:57A:[SWIFT BIC]	Check and Validate SWIFT	Mark SWIFT Message	If Check 6 fails then Go to next	If Check C6 succeeds then

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
						BIC	ge for repair.	sub priority field.	Go to next priority field
			4.2	Account Line	//SC[Local Clearing Code]	Check and Validate Local Clearing Codes	Go to next sub priority field	If Check 7 fails then Go to next sub priority field.	If Check C7 succeeds then Go to next priority field
			4.3	Account Line	/C/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C8 and process accordingly.
			4.4	Account Line	/D/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			4.5	Account Line	/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			4.6	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly.
			4.7	SWIFT BIC	SSI for SWIFT BIC + Payment Currency	Derive Credit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Check C5 and process accordingly.

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
			4.8	SWIFT BIC	SSI for SWIFT BIC's Customer + Payment Currency	Derive Credit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Check C5 and process accordingly.
			4.9	SWIFT BIC	:57A:[SWIFT BIC]	Derive Credit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Check C11 and process accordingly.
5	MT 202	57D					Go to next priority field	Mark SWIFT Message for repair.	
			5.1	Account Line	//SC[Local Clearing Code]	Check and Validate Local Clearing Codes	Go to next sub priority field	If Check 7 fails then Go to next sub priority field.	If Check C7 succeeds then Go to next priority field
			5.2	Account Line	/C/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C8 and process accordingly.
			5.3	Account Line	/D/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			5.4	Account Line	/[Account Number]	Derive Credit Account	Go to next sub priority	Mark SWIFT Message for	Perform Check C9 and process according

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
							y field	repair.	gly.
			5.5	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly.
			5.6	Account Line	//SC[Local Clearing Code][Account Number] or //SC[Local Clearing Code]	Derive Credit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Check C12 and process accordingly.
6	MT 202	58A					Go to next priority field	Mark SWIFT Message for repair.	
			6.1	SWIFT BIC	:58A:[SWIFT BIC]	Check and Validate SWIFT BIC	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Check C14 and process accordingly.
			6.2	Account Line	/C/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C8 and process accordingly.
			6.3	Account Line	/D/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			6.4	Acco	/[Account	Derive	Go to	Mark	Perform

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
				unt Line	Number]	Credit Account	next sub priority field	SWIFT Message for repair.	Check C9 and process accordingly.
			6.5	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly.
			6.6	SWIFT BIC	SSI for SWIFT BIC + Payment Currency	Derive Credit Account	Mark SWIFT Message for repair.	Go to next sub priority field	Perform Check C5 and process accordingly.
			6.7	SWIFT BIC	SSI for SWIFT BIC's Customer + Payment Currency	Derive Credit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Check C5 and process accordingly.
7	MT 202	58D					Go to next priority field	Mark SWIFT Message for repair.	
			7.1	Account Line	/D/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.
			7.2	Account Line	/[Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.

Order of Priority	SWIFT Message Type	Field Name	Sub Priority	Sub Field Name	Processing field format	Processing Description	If field does not exist	If field exists and processing fails	If field exists and processing succeeds
			7.3	Account Line	//SC[Local Clearing Code][Account Number]	Derive Credit Account	Go to next sub priority field	Mark SWIFT Message for repair.	Perform Check C10 and process accordingly.
8	MT 202	72					Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	
			8.1	Line 1	/BNF/[Account Number]	Derive Credit Account	Mark SWIFT Message for repair.	Mark SWIFT Message for repair.	Perform Check C9 and process accordingly.

13.1.7 Checks for Derived Account

All the above six tables refer to a common set of Checks which must be performed. The list of checks is summarized below:

Check Reference	Description
C1	Check for the existence of a valid external Nostro Account to Oracle FLEXCUBE Customer Account mapping record in Oracle FLEXCUBE. If a valid mapping record exists in Oracle FLEXCUBE, then assign the Oracle FLEXCUBE Customer Account to be the Debit Account for the Payment Transaction.
C2	Check whether the Payment Currency is the Local Currency for the Oracle FLEXCUBE Branch. If the Payment Currency is the Local Currency and if the Sender BIC does not have the authority to specify the Debit Account for the Payment Transaction, then move the Incoming SWIFT Payment Message to the Cover Matching queue. If the Payment Currency is not the Local Currency and if the Sender BIC does not have the authority to specify the Debit Account for the Payment Transaction and the if the beneficiary account is not in the books of the bank, then mark the Incoming SWIFT Payment Message for repair with an appropriate repair reason. If the Payment Currency is not the Local Currency and if the Sender BIC does not have the authority to specify the Debit Account for the Payment Transaction and if the beneficiary's account is in the books of

Check Reference	Description
	the bank, then move to Credit Account derivation processing. If the Sender BIC has the authority to specify the Debit Account for the Payment Transaction, then move to Credit Account derivation processing.
C3	Check whether the derived Account exists as a valid Account in Oracle FLEXCUBE for the current Branch. If the Account is not a valid Oracle FLEXCUBE Account for the current Branch, then mark the Incoming SWIFT Message for repair with an appropriate repair reason.
C4	Check whether the SWIFT BIC specified with A format of the field is same as the SWIFT BIC of the Customer of the Account specified in the Account line of the field. If this check fails then mark the SWIFT Message for Repair.
C5	Check whether the Account specified in the SSI (Standard Settlement Instruction) for the SWIFT BIC/SWIFT BIC's Customer ID is a valid account in Oracle FLEXCUBE. If the Account specified in the SSI is invalid then mark the SWIFT Message for Repair with an appropriate reason.
C6	Check whether the SWIFT BIC specified with A format of the field is mapped to the current Branch of Oracle FLEXCUBE and the account line sub field is not present along with the SWIFT BIC specified in the A format.
C7	Check whether only the Local Clearing Code for the Payment Currency has been specified in the account line sub field. If only the Local Clearing Code has been specified (and the account after the Local Clearing Code has not been specified) in the account line sub field, then check whether the Local Clearing Code specified in the account line sub field is mapped to the Current Branch of Oracle FLEXCUBE.
C8	Check for the existence of a valid external Nostro Account to Oracle FLEXCUBE Customer Account mapping record in Oracle FLEXCUBE. If a valid mapping record exists in FLEXCUBE, then assign the FLEXCUBE Customer Account to be the Credit Account for the Payment Transaction.
C9	Check whether the derived Account exists as a valid Account in FLEXCUBE for the current Branch. If the Account is not a valid Oracle FLEXCUBE Account for the current Branch, then mark the Incoming SWIFT Message for repair with an appropriate repair reason. If the Account is a valid Account in the current Branch, then assign the same to be the Credit Account of the Payment Transaction.
C10	Check whether the Local Clearing Code specified in the account line of the field is mapped to the Current Branch of Oracle FLEXCUBE. If the Local Clearing Code specified maps to the Current Branch of FLEXCUBE, then check whether the account number specified after the Local Clearing Code is a valid Account in the current branch of FLEXCUBE and if so, assign to be the Credit Account of the Payment Transaction. If the Account number specified after the Local Clearing Code is not a valid account in Oracle FLEXCUBE, then mark the SWIFT

Check Reference	Description
	Message for repair with an appropriate repair reason.
C11	Check whether Country Code of SWIFT BIC specified in the field with A format matches with the Country Code of the Payment Currency specified in field 32a and if so assign the default Nostro Account of the Payment Currency to be the Credit Account of the Payment Transaction.
C12	Check whether the Local Clearing Code specified in the account line of the field is mapped to the Current Branch of Oracle FLEXCUBE. If the Local Clearing Code specified is not mapped to the Current Branch of Oracle FLEXCUBE, then assign the default Nostro Account for the Payment Currency in field 32a to be the Credit Account for the Payment Transaction.
C13	Check whether the Sender SWIFT BIC has the authority to specify the Account as the Debit Account of a Payment Transaction. If the Sender SWIFT BIC does not have the authority, then mark the SWIFT Payment Message for repair.
C14	Check whether the SWIFT BIC specified in field with A format is mapped to the Current Branch of Oracle FLEXCUBE. If the SWIFT BIC is mapped to the Current Branch of Oracle FLEXCUBE and if field 72 is not present then Oracle FLEXCUBE should automatically suppress the SWIFT Message. If field 72 is present then Oracle FLEXCUBE should mark the SWIFT Message for repair with an appropriate repair reason.

Notes

Notes Reference	Notes Description
N1	Account line sub field of any field in an Incoming SWIFT Payment Message should always start with '/'
N2	All SWIFT BICs specified in fields of an Incoming SWIFT Payment Message with A format will be validated against the SWIFT BIC directory maintained in Oracle FLEXCUBE. The SWIFT BIC specified in a field with A format should have been defined as a valid SWIFT BIC in SWIFT BIC directory and should not have been blacklisted (blocked). Separate error messages shall be raised if the SWIFT BIC specified in a field with A format does not exist or if SWIFT BIC specified in a field with A format is blacklisted (blocked).
N3	The ISO Currency code specified in field 32a of an Incoming SWIFT Payment Message should be valid Currency code defined in Oracle FLEXCUBE.
N4	The Local Clearing Code prefix specified in the Account line of fields 56, 57 and 58 shall be validated against the Currency code specified in field 32a. For example if UK CHAPS code has been specified with a prefix of //SC232023, then Oracle FLEXCUBE shall validate to ensure that //SC is a valid local clearing code prefix for payment currency GBP. If the Local Clearing Code prefix is invalid for

Notes Reference	Notes Description
	the payment currency specified in field 32a as per Local Clearing Code configuration, then Oracle FLEXCUBE shall raise an error message denoting the same.
N5	All Local Clearing Codes specified after the local clearing code prefix in fields 56, 57 and 58 shall be validated to check that they are valid Local Clearing Codes defined in Oracle FLEXCUBE. Oracle FLEXCUBE shall also validate to ensure that the Local Clearing Code indicator is set to 'Y' else Oracle FLEXCUBE shall raise an error for the same.
N6	Oracle FLEXCUBE shall remove all non-numeric characters from the account line of a field to extract the account number specified in the account line of a field in an Incoming SWIFT Payment Message.
N7	Oracle FLEXCUBE shall remove all non-numeric characters from the account line of a field after the Local Clearing Code prefix to extract the Local Clearing Code specified in the account line of a field in an Incoming SWIFT Payment Message. After extracting the Local Clearing Code specified in the field after the Local Clearing Code prefix, Oracle FLEXCUBE shall extract the account number, if specified after the Local Clearing Code and validate the same.

14. Glossary

14.1 List of Important Terms

The following terms have been used in this manual.

Account Head

The general ledger and / or sub ledger in the chart of accounts that is debited or credited every time a balance type account is liquidated or interest is accrued in respect of it.

Account Servicing Institution

This is the financial institution where the ordering customer's account resides.

Account with Institution

This is the institution designated by the ordering customer, at which the beneficiary will receive the transfer payment.

Accounting Role

This is the category under which any general ledger / sub ledger is classified.

Amount Item

This is the amount entry that is passed into a general ledger / sub ledger in the chart of accounts for each transaction.

Auto book Function

This is the function that will process funds transfer contracts for which the rate pickup is specified to be done on a future date

Bank Transfer

This is the funds transfer contract involving the movement of funds from the ordering institution to the beneficiary institution.

Booking Date

This is the date on which the contract is entered into the Oracle FLEXCUBE system.

Charge Bearer

This is the entity that would bear the service costs incurred by the bank that processes a contract.

Cover Payment

This is the reimbursement of a correspondent bank on behalf of the ordering institution.

Credit Advice

This is the advice generated by the account servicing institution, which indicates crediting the receiver's account.

Customer Transfer

This is the funds transfer effected by the financial institution of the ordering customer, to the financial institution of the beneficiary. The initiating entity (i.e., the ordering customer) and the receiving entity (i.e., the beneficiary) are not financial institutions.

Debit Advice

This is the advice generated by the account servicing institution, which indicates debiting the ordering customer's account.

Incoming Transfer

This is the funds transfer contract, which results in an inflow of funds to the bank.

Instrument Preferences

This is the instrument details for funds transfers, as maintained in the Product Preferences for a funds transfer product.

Intermediary

This is the entity that bridges the gap between the ordering customer's correspondent and that of the beneficiary of a funds transfer.

Internal Transfer

This is the funds transfer contract, which results in funds being moved between customer accounts within the bank. The bank manages internal transfers on behalf of its customers.

Message Preferences

The messaging details for outgoing transfers, as maintained in the Product Preferences for a funds transfer product.

Netting

This is the summing of two or more accounting entries passed to an account for the same event, so as to arrive at a net figure for posting.

Ordering Customer

This is the customer who requests for a transfer of funds contract, also known as the Remitter. The cycle of a funds transfer contract begins with the ordering customer.

Ordering Institution

This is the financial house that is approached by an ordering customer to initiate the funds transfer contract. The institution processes the funds transfer contract on behalf of the ordering customer.

Our Correspondent

This is the name of the correspondent bank through which an ordering customer puts through a funds transfer contract.

Outgoing Transfer

This is the funds transfer contract, which results in an outflow of funds from the bank.

Override Limit

This is the limit within which exchange rates are allowed to be changed over and above the default value, without requiring an override. If the rate variance exceeds this limit, an override is necessary for the changed rate to be accepted.

Product

This is the identifier, in Oracle FLEXCUBE, for any type of service that a bank offers its customers. A set of attributes and preferences are maintained for the product, which will apply to the processing of any contracts, transactions or deals involving the product (service).

Product Group

This is the group under which a product is logically classified, under which logically similar products are placed together.

Product Remarks

This is the descriptive text about a product.

Product Slogan

This is the text or phrase that could be used as a declaration or an announcement of the product, to customers.

Rate Preference

This is the specification as to the rate types and when exchange rates are to be picked up to be applicable on funds transfer contracts involving a product.

Rate Update Function

This is the function used to process funds transfer contracts for which a rate update or refresh is required, as specified in the Product Preferences.

Rate Variance

This is the difference between the default value and the changed value of an exchange rate employed for currency conversion. Limits can be set for the variance.

Receiver's Correspondent

This is the name of the correspondent bank who will receive the funds that are payable to the receiver or the beneficiary.

Rekey Option

This comprises the fields that are to be keyed in by an authorizer of a transaction, for the purpose of cross-checking, when the transaction is being authorized. Complete details of the transaction will only be displayed when the authorizer 'rekeys' the values for these fields.

Settlement Route

This is the route that a funds transfer will take before it actually reaches the ultimate beneficiary.

Spot Date

This is the date on which the contract is to be settled. The number of spot days specified for the contract is taken into consideration.

Transaction Code

This is the identifier for each accounting entry that is used to track a particular transaction.

Value Date

This is the date on which a contract comes into effect. This date could be a future date, past date or today.

DAO GL –

This is the draft advice outstanding General Ledger – mainly used for instrument / inward type of product.

15. Reports

15.1 Introduction

The report programs available under the Funds Transfer (FT) module are explained in this chapter. All activities that are performed by the FT module are recorded. The inputs you have made at different stages of the contract are pieced together and can be extracted in the form of meaningful reports as and when you may require them.

The reports that can be generated for the FT Module are as follows:

- FT Daily Activity Journal
- FT Contract Report



Note that for some of the reports you do not have to make any specifications. For such reports, there is no Report Options screen.

15.2 FT Daily Activity Journal

The Daily Activity Journal reports all the FT contracts of your branch, for which some event has taken place during the day. These details are printed and sorted on the basis of event and product code.

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

A screenshot of a web-based dialog box titled "Funds Transfer Daily Activity Report - Options -- Web Page Dialog". The dialog has three main sections: "Format" with a dropdown menu set to "PDF"; "Output" with three radio buttons: "Print", "View", and "Spool" (which is selected); and "Printer" with a text field and a printer icon button. At the bottom right, there are "Ok" and "Exit" buttons.

The report details all activities that were performed on FT contracts as of a given day. All contracts that were initiated either manually, or by the Autobook program together with those processed by the FT Update Function will be listed in this report. The relevant details of a Transfer, including the contract status such as reversed, reconciled etc., will be reported.

This report also indicates the overrides that were encountered during the day, while contracts were processed. However the actual overrides can be viewed in the contract detailed view.

Click 'OK' button to generate the Daily Activity report, click 'Exit' to return to the Reports Browser.

The Daily Activity Journal is provided with two options:

- The Summary Option, and
- The Detailed Option.

The Summary Option briefly highlights the basic aspects of a contract like the account numbers of the remitter and beneficiary, the currencies used in the contract etc. The Detailed Option on the other hand gives you a comprehensive report of the contract.

If you choose to generate this report as a part of the end-of-day processes, all the activities performed during the day will be reported. You have the option to spool, print or view the report.

15.2.1 **Contents of the Report**

The contents of the report are discussed under the following heads:

Header

The Header carries the Branch of the report, information on the branch and date, the ID of the user who generated the report, the date and time at which it was generated and the module of the report.

Body of the report

Contract	This is the reference number assigned to the LC that has the bank as the confirming bank.
Override	This is the description of the override that was encountered.
Spread	This is the description of the spread.
ContractStatus	This is the current status of the FT contract.
Exchange	A description of the exchange.
Input	This gives the description of the input to feed.
Authorized	This is the authorization of the product.
Check No	This is the check number.
Manager's check No	This is the manager's check number.

15.3 **FT Contract Report**

The FT Contract reports all the FT contracts of your branch, for which some event has taken place during the day. These details are printed and sorted on the basis of event and product code.

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

Click 'OK' button to generate the FT Contract report, click 'Exit' to return to the Reports Browser.

15.3.1 Selection Options

The contents of the report are determined by the preferences that you specify.

The screenshot shows a dialog box titled "Funds Transfer Contract Report - Webpage Dialog". It contains several sections for selecting report preferences:

- Start Date:** A date picker set to 8/25/2008.
- End Date:** A date picker set to 9/1/2008.
- Currency:** Radio buttons for "All" (selected) and "One". Below is an empty text box.
- Branch:** Radio buttons for "All" and "One" (selected). Below is a text box containing "CHO".
- Customer:** Radio buttons for "All" (selected) and "One". Below is an empty text box.
- Account:** Radio buttons for "All" (selected) and "One". Below is an empty text box.
- Amount:** Radio buttons for "All" (selected) and "One". Below is an empty text box.

At the bottom right, there are "Ok" and "Exit" buttons.

You can specify the following preferences for the report:

Start Date

Select the start date of the contract from the option list.

End Date

Select the end date of the contract from the option list provided.

Currency

You need to specify the currency type. You have the following options:

- All
- One

Based on the currency type, you can select the currency from the option list provided.

Customer

You need to specify the customer type. You have the following options:

- All
- One

Based on the customer type, you can select the customer from the option list provided.

Account

You need to specify the account type. You have the following options:

- All
- One

Based on the account type, you can select the account from the option list provided.

Branch

You need to specify the branch type. You have the following options:

- All
- One

Based on the branch type, you can select the branch from the option list provided.

Amount

You need to specify the amount type. You have the following options:

- All
- One

Based on the amount type, you can select the required amount from the option list provided.

15.3.2 Contents of the Report

The contents of the report are discussed under the following heads:

Header

The Header carries the Branch of the report, information on the branch date, the ID of the user who generated the report, the date and time at which it was generated and the module of the report.

Body of the report

Contract Reference No.	This is the reference number assigned to the FT that has the bank as the confirming bank.
Remitter CCY	This is the detail regarding the currency of the remitter.
Beneficiary CCY	This is the detail regarding the currency of the beneficiary.
Payment Details	This is the detail regarding the payment in the bank.
Receiver Correspondent	This field captures Receiver Correspondent.
Spread Code	This is the description of the spread code.
Contract Status	This is the current status of the FT Contract.

Remitter Amount	It gives the sum of remitter amount.
Exchange Rate	This is the rate at which the exchange of currency is done.
Beneficiary Amount	It gives the sum of beneficiary amount.
Input By	The Login ID of the user that created the reconciliation class record.
Remitter Branch & A/C	This is the description of the branch and the account of the remitter.
Beneficiary Branch & A/C	This is the description of the branch and the account of the beneficiary.
Account with Institution	This is the details regarding the institution's account.
By Order of	This field gives description regarding By Order of.
Authorized By	The Login ID of the user that has authorized the record.
Debit Value Date	Debit value date of the entries contained in the external statement.
Credit Value Date	Credit value date of the entries contained in the external statement.
Check No	This is the details regarding the check number.
Remitter A/C Description	This is the description of the remitter's account.
Beneficiary A/C Description	This is the description of the beneficiary's account.
Ultimate Beneficiary A/C	This is the details regarding the ultimate beneficiary account.
Product Description	This is the description of the respective product.
Manager's Check No.	This is the details regarding the manager's check.



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