

Charges and Fees

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# 1. About this Manual

## 1.1 Introduction

This manual is designed to help you get acquainted with the manner in which charges or fees are calculated in Oracle Lending.

It takes you through the various steps involved in processing a Charge or Fee for a contract.

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

## 1.2 Audience

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 as follows:

Chapter	Description
Chapter 1	<i>About this Manual</i> - This chapter gives information on the intended audience. It also lists the various chapters covered in this User Manual.
Chapter 2	<i>Processing Charges</i> - This chapter details the procedure to set up Charge details by defining Charge rules and Charge classes. It also explains the procedure for specifying charge details for a contract.
Chapter 3	Processing Fee - This chapter details the procedure to set up Fee details by defining Fee rules and Fee classes. It also explains the procedure for specifying fee details for a contract.
Chapter 4	<i>Function ID Glossary</i> has alphabetical listing of Function/Screen IDs used in the module with page references for quick navigation.

## 1.4 Documentation Accessibility

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc>.





## 1.5 Related Documents

For further information on procedures discussed in the manual, refer to Oracle Lending manuals on:

- Procedures
- Product
- User Defined Fields

## 1.6 Glossary of Icons

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

Icons	Function
	Exit
	Add row
	Delete row
	Option List

---

## 2. About charges and fee

This chapter contains the following sections:

- [Section 2.1, "Introduction"](#)
- [Section 2.2, "Defining charge or fee rules"](#)

### 2.1 Introduction

In Oracle Lending, you can define the different *types* of charges or fees that apply on a product as “classes”. A charge class is a specific type of charge component. For example, ‘Charges for amending the terms of a loan’.

When defining a product, you merely have to attach the required classes. In this manner, a contract processed under a particular product acquires the classes (components) associated with the product.

To apply a charge or fee on a Loans product, you should first define attributes for each of the components. You can define these attributes by specifying a Rule for the charge or fee. These charge rules should in turn be linked to a product through a class, so that the attributes of the charge rule is applied on all contracts linked to the product. However, while capturing the details of a contract, you can modify some of the attributes defined for a rule. Further, for a contract, you can also indicate whether the application of a specific charge component should be waived.

More than one charge or fee can be applied on a product. For example, you could link two charge to an outgoing transfer product, one with 0.05% of the transfer amount as the charge and another with a flat amount of say 200 local currency units. The first one could be your commission on the transfer and the second, for the SWIFT or cable charges incurred to effect the transfer. These are processed as two different charge components. The income accounts can be different for these components. The two charge components are reported in all reports and in the customer correspondence regarding the transfer.

---

#### Note

Pricing benefits are offered to customers based on eligibility criteria, validity period, and the benefits of the scheme in Oracle FLEXCUBE Relationship Pricing. If 'Relationship Pricing' check box is enabled in 'Customer Maintenance' screen and 'RP FCUBSCoreService' is maintained in 'Integration Parameter Maintenance' screen, then RP 'Rate', 'Maximum Rate', 'Minimum Rate', 'Spread' are applied for interest in 'ICCF Details' screen. Based on variance rule maintained in UBS you can get the RP rate as Rate or Spread for interest component. In addition, RP 'Rate' and 'Amount' is applied for charge and fee components (Charge/Fee rate, Charge/Fee amount).

---

#### Steps involved in processing charges or fees

The following steps are involved in processing charges or fee:

1. Defining charge or fee rules
2. Defining charge or fee classes
3. Associating charge or fee classes with a product
4. Specifying charges or fee for a contract.

## 2.2 Defining charge or fee rules

A charge rule is built with the logic to calculate a specific type of charge component. You can define charge rules in the 'Rule Master Definition' and 'ICCF Rule Maintenance' screen.

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### Note

The process of defining charge or fee rule is same. In this section, charge rule is mentioned.

---

This section contains the following topics:

- [Section 2.2.1, "Invoking Rule Master Definition Screen"](#)
- [Section 2.2.1, "Invoking Rule Master Definition Screen"](#)
- [Section 2.2.3, "Indicating Rule Application conditions"](#)
- [Section 2.2.4, "Defining charges to be applied on a slab or tier structure"](#)
- [Section 2.2.5, "Defining charge rule application conditions"](#)
- [Section 2.2.6, "The sequence in which ICCF rules are resolved "](#)

### 2.2.1 Invoking Rule Master Definition Screen

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

Maker	Date Time:	Mod No	Record Status
Checker	Date Time:		Authorization Status

#### Rule ID and Description

Every charge rule is identified by a unique ten-character code, called a Rule ID. You can link a valid Charge Rule ID to the charge classes that you maintain in your bank. Charges or fees for all products with which you associate a charge class is calculated on the basis of the Rule ID that is associated with the class.

## Rule Type

The Rule Type identifies the type of component you are defining. The attributes applicable for a component depend on the Rule Type. This chapter discusses the procedure for setting up rules for charge components.

For every rule that you define, you can enter a description. Specifying a description helps identify a rule.

### 2.2.2 Invoking ICCF Rule Maintenance Screen

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

If you are calling a charge rule that has already been defined, choose the Summary option under 'ICCF Rule Summary' in the Application Browser. From the 'ICCF Rule Summary' screen, double-click a rule of your choice to open it.

The following are the features of the 'ICCF Rule Maintenance' screen.

The screenshot displays the 'ICCF Rule Maintenance' application window. At the top, there are 'New' and 'Enter Query' buttons. The main area contains several input fields and dropdown menus: 'Rule Id \*', 'Description', 'Rule Type \*' (dropdown), 'Transaction Currency \* ALL', 'Branch \* ALL', 'Account Category \* ALL', 'Account No \* ALL', 'Customer Group \* ALL', 'Customer Type' (dropdown with 'CIF' selected), and 'Customer \* ALL'. Below these are two tabs: 'Rate Details' (selected) and 'Tenor Details'. Under 'Rate Details', there are sections for 'Rate Type' (with radio buttons for 'Flat Amount' and 'Fixed Rate'), 'Convert Using' (with radio buttons for 'STANDARD' and 'MID'), and 'Rule Currency' (with radio buttons for 'Tiered Tenor', 'Cascade Amount', and 'Tiered Amount'). There are also radio buttons for 'Booking Currency' (Charge Currency and Contract Currency) and 'Rule CCY'. At the bottom, there is a 'Fields' section with columns for 'Maker', 'Checker', 'Date Time:', 'Mod No', 'Record Status', and 'Authorization Status'. An 'Exit' button is located in the bottom right corner.

## Rule ID

Specify the valid charge/fee 'Rule ID' to the charge/fee classes that you maintain in your bank. The adjoining option list displays the list of all rule IDs available in the system. You can select the appropriate one. These rule IDs are fetched from 'Rule Master Definition' screen.

## Rule Description

The 'Rule Description' appears based on the rule ID.



**Rule Type**

The 'Rule Type' - 'Interest', Charges/Fees are defaulted from the 'Rule Master Definition' screen. You cannot change the rule type.

**Transaction Currency**

If you want to define the attributes for all currencies, you can select the ALL option in the Currency Code field to indicate this. If you are maintaining the attributes for the selected ICCF rule in specific currency other than the ALL, select the Transaction Currency on which the rule mapping maintenance is to be made applicable.

**Customer Group**

Select the customer group on which the rule mapping maintenance is to be made applicable.

---

**Note**

You can create a generalized charge rule mapping record by selecting the ALL option in the Customer Group field. This specification is defaulted to the Customer and Customer Account fields. You will not be allowed to change the specification.

---

**Customer**

Specify the customer identification number (CIF) of the customer for whom you are maintaining the rule mapping.

**Branch Code**

If you are maintaining the attributes for the selected ICCF rule from the head office branch, you can select the branch for which the attributes are being defined. If you want to define the attributes for all branches, you can select the ALL option in the Branch Code field to indicate this.

If you are maintaining the attributes for the selected ICCF rule from a branch other than the head office, you can only select those branches that are found in the allowed list of branches for:

- the ICCF rule definition Restriction Type (ICCFRULE), in the Common Branch Restrictions maintenance for the current branch
- the selected rule being built, according to the ICCF Rule Availability maintenance

In other words, the option-list in the Branch Code field would display only those branches that are allowed both for the rule and the current branch.

**Specifying the Rate Type**

The rate type indicates whether the charge or fee to be applied for the Rule ID is a flat amount or a percentage of the contract amount. Contract amount here refers to:

- Principal amount in the case of a loan or a commitment
- Transaction amount in the case of a teller entry.
- Transfer amount in case of a Remittance.
- SI Amount in case of Standing Instruction.
- LC amount in the case of a Letter of Credit.
- Bill amount in the case of a Bill.
- Buy/Sell amount in the case of an FX deal.
- Deal Nominal amount for a Security Deal.

If the Charge Rule that you are defining calculates charges on a rate basis, choose the 'Fixed Rate' option. To levy a flat amount as charge, say a postal charge on the products that are associated with the Charge Class, choose the 'Flat Amount' option.

You can choose to indicate the Rate Code and whether the rate is 'MID', 'BUY' or 'SELL' only when the basis amount currency and the rate currency is different from the contract currency.

You can indicate the specific rates and amounts that you would like to apply, in the subsequent fields in this table. These rates or amounts can be changed during contract processing.

### **2.2.3 Indicating Rule Application conditions**

By default, a charge rule that you define can be applied on transactions in

- All currencies
- All customers

However, to restrict the application of a rule to transactions involving a specific customer or currency, you can specify the same in the Customer or Transaction Currency fields, respectively.

Conditions for the application of a charge rule can be defined in the following manner:

- The rule can be applied to any contract, irrespective of the currency of the contract and the customer involved
- The rule can be applied on contracts in a particular currency, irrespective of the customer involved
- The rule can be applied on contracts in a particular currency, involving a particular customer

Thus, the most generally applied condition can be that a charge rule is applicable to contracts in any currency and involving any customer. An interim condition is that a charge rule is applied on contracts in a specific currency but involving any customer.

#### **Example**

##### **Requirement:**

You would like to levy a special flat charge, in EUR, for maintaining customer portfolios in DEM - EUR being the more convenient currency. Further, you would like to exempt corporates and Financial institutions and levy the charge only on individual portfolios.

##### **Set up:**

##### **Step 1**

To the rule defined for calculating the special charge, enter a unique Rule ID in 'Rule Master Definition' screen, SplChPort1 and the same is defaulted to the 'ICCF Rule Maintenance' screen. Briefly describe the charge for easy identification: EUR charge: individual portfolios.

##### **Step 2**

Select the 'Flat Amount' option in the 'Rate Type' field from 'ICCF Rule Maintenance' screen.

##### **Step 3**

Choose EUR in the Currency field. Choose Individuals in the Customer field. Enter the other details such as the Charge Currency and the tiers or slabs on which you would like to levy the charge.

#### **Step 4**

Save this record. Another user with the requisite rights should authorize this record before it can be used.

---

#### **Note**

You are not allowed to define an ICCF Rule for a specific combination unless you maintain a record for the same Rule at the generic level. For instance, while creating the Rule ID called SplChPort1 for the very first time the system defaults the values in the Transaction Currency, Branch, Account Category, Customer, Customer Group, and Account fields to All. Only after saving this record you are allowed to create a second record for a specific combination for the same Rule ID.

---

### **2.2.4 Defining charges to be applied on a slab or tier structure**

You can create a Charge Rule that would calculate charges on the basis of an amount structure. This structure could be in tiers or in slabs. Select the Tiered Amount check box if the Basis Amount structure is Tiers. Leave it blank if the Basis Amount structure is Slabs.

The following example illustrates how this works:

#### **Example**

You have defined a Charge Rule, SplChgPor01, which you would like to apply on deals in DEM, with the following amount basis structure:

<b>Amount</b>	<b>Rate</b>
0 to 250 Thousand	0.05%
> 250 Thousand <= 1 Million	0.06%
> 1 Million <= 3 Million	0.07%
> 3 Million	0.08%

When this rule is applied on a deal of value 1.5 Million DEM, the rate of the charge is calculated depending on whether the basis has been defined as Slab or Tier as indicated below.

#### **Tier basis**

- The first 250,000 (of the total value of 1.5 million) is charged at 0.05%
- The amount from 250,000 to 1,000,000 at 0.06%
- The amount from 1,000,000 to 1,500,000 at 0.07%
- The total amount levied as charge is DEM 925.

#### **Slab basis**

- The entire DEM 1.5 million is charged at 0.07%
- Therefore, the amount charged is DEM 1,050.

## 2.2.4.1 Specifying the Maximum and Minimum Charge amount

### **Specifying the Maximum Amount**

If the charge is based on a fixed rate, you should specify the maximum amount that can be applied on a contract involving the Rule ID. If the aggregate charge calculated using this Rule ID exceeds this amount for a contract, the maximum amount specified in this field is applied instead of the amount calculated using the fixed rate.

#### **Example**

The charge applicable for processing a loan is 0.05% of the outstanding loan amount. The maximum charge that can be applied is USD 10. Assume your customer Gem Granites has borrowed USD 30,000 as a loan.

The charge amount works out to USD 15 at 0.05%. However, since the maximum charge amount has been specified as USD 10, this is what is applied on the loan as charges.

### **Specifying the Minimum Amount**

If the charge is based on a fixed rate, you should specify the minimum amount that can be applied on a contract involving the Rule ID. If the aggregate charge calculated using this Rule ID falls below this amount for a contract, the minimum amount specified in this field is applied instead of the amount calculated using the fixed rate.

#### **Example**

The processing charge applicable on a loan is 0.05%. The minimum charge that can be applied is USD 5. Assume your customer Gem Granites has taken a loan of USD 5,000.

The charge amount works out to be USD 2.5 at 0.05%. But since the minimum charge amount has been specified as USD 5, this is the amount that is applied on the loan as charge.

### **Specifying Slab Level Min/Max Amount Currency**

You can indicate the currency in which the minimum charge / maximum charge should be applied at each slab. By default, the Basis Amount Currency is the Slab level Min/Max Amount Currency

#### **Example**

- Consider a Charges & Fees rule with the following attributes
- Rate Type = Fixed, Tenor Basis
- Rule Currency = Charge Currency
- Rule Amount Currency = INR
- Charges

<b>Basis Amount</b>	<b>Charge</b>	<b>Slab Floor Charge</b>
0 to 10,000	0.50%	5
10,000 to 20,000	0.40%	5
> 20,000	0.30%	5

Minimum Charge = INR 1000

Slab Level Min/Max Currency = USD

Basis Amount Currency = GBP

The currency conversion rates maintained are USD: GBP = 2, INR: GBP = 75, INR: USD = 50

For a loan of USD 350,000, the charges are calculated as follows.

GBP equivalent of USD 350,000 is 175,000

Slab	Charge (INR)	Equivalent Charge (USD)	Effective Charge (INR)
50,000	250	5	250
100,000	400	8	400
25,000	75	1.5	250 #
		Total	900

---

Note

# INR Equivalent of minimum slab charge of USD 5.

Since the aggregate charge of INR 900 is less than minimum charge of INR 1000, the total charge that is levied for this loan is INR 1000.

---

#### **2.2.4.2 Specifying the Basis Amount and the Charge Currencies**

The Charge Currency is the currency in which the flat amount charge in a contract is to be reckoned.

When building a charge rule, if the Rate Type is a Flat Amount, you have to indicate the currency of the charge or fee. The charge or fee when applied on a transaction is collected in this currency. The input to this field can either be the local currency or the contract currency. By default, the Charge Currency is the Transaction Currency. You can change it to the local currency.

The amount itself is specified subsequently through this screen. This amount can be changed during contract processing.

##### **Example**

If the Charge Currency is specified as the local currency and the flat amount is 500, for all contracts involving this Rule ID, an amount of LCY 500 is applied.

If the Charge Currency is specified as the contract currency and the flat amount is 1000; for a bill in US Dollar involving this Rule ID, an amount of USD 1000 is applied, for a contract in Great British Pound involving this Rule ID, an amount of GBP 1000 is applied, and so on.

Charges or fees can be calculated for a transaction on the basis of tiers or slabs. When building a charge rule, you should also indicate the currency of the tiers or slabs based on which you levy the charge. This is the Basis Amount Currency. If the transaction is in a different currency, then the charge is calculated after converting it to the currency of the tiers and slabs.

#### **2.2.4.3 Tenor Details**

##### **Basis Amount To**

You should specify the upper limit of the slab or tier to which a particular rate or amount should be applied as a charge.

### **Example**

Suppose the following is the slab or tier structure you want to specify:

<b>Amount</b>	<b>Rate</b>
0 to 250 thousand	0.05%
> 250 thousand <= 1 Million	0.06%
> 1 Million <= 3 Million	0.07%
> 3 Million	0.08%

The Basis Amount To for the first slab or tier should be indicated as 250,000; that for the second slab or tier as 1,000,000 and so on.

### **Specifying the Fixed Rate**

If the charge is a percentage of an amount, specify the applicable rate. This rate is applied on the Basis Amount To, depending on whether you have defined the application basis, as a slab or a tier.

### **Specifying the Charge Unit**

The Charge Unit specifies the unit for rounding up a charge or fee to the nearest amount. The charge or fee is calculated for multiples of the charge unit.

### **Example**

If the Charge Unit has been specified as 10 and the charge is to be calculated for USD 85, then the charge is calculated for the rounded up figure of USD 90.

Similarly if the Charge Unit has been specified as 100 and the charge is to be calculated for USD 750; the charge is calculated for the rounded up figure of USD 800.

### **Specifying the Floor Amount**

If you are defining a Fixed rule type of component, you have to specify the Floor Amount which is to be added to the charge calculated. The floor amount is added to the charge based on the rate defined in the rule.

### **Specifying the Flat (CCF) Amount**

To levy a flat charge, specify the flat amount. This amount is applied on the Basis Amount, depending on whether you have defined the application basis as a slab or a tier.

### **Specifying the Minimum and Maximum Slab Level Charges**

If the charge is based on a fixed rate, you should specify the minimum amount and maximum slab level charges that can be applied on a contract involving the Rule ID. This charge is based on the slab level minimum and maximum amount currency.

If the charge (applicable to the slab) calculated using this Rule ID falls below this amount for a contract, the minimum amount specified in this field is applied instead of the amount calculated using the fixed rate.

### **Tenor Details – Tenor From and Tenor To**

The tenor is in days. For instance, If Tenor from and Tenor to are given as '0' and 91, the tenor slab is from '0' days to '91' days.

## 2.2.5 Defining charge rule application conditions

When you have built charge rules, you are ready to build Charge Classes. When creating a product, you can link it with a Charge Class you have built. Thus, the definition of charge rules should precede the definition of Charge Classes and Product Definition.

## 2.2.6 The sequence in which ICCF rules are resolved

While processing charges, the charge rules maintained are resolved in the following sequence:

Level	Branch	Transaction CCY	Customer Group	Customer	Account Category	Account
1	Specific	Specific	Specific	Specific	Specific	Specific
2	Specific	Specific	Specific	Specific	Specific	All
3	Specific	Specific	Specific	Specific	All	All
4	Specific	All	Specific	Specific	All	All
5	Specific	Specific	Specific	All	All	All
6	Specific	All	Specific	All	All	All
7	Specific	Specific	All	All	All	All
8	Specific	All	All	All	All	All
9	All	All	All	All	All	All

---

## 3. Processing Charges

This chapter contains the following sections:

- [Section 3.1, "Charge Class"](#)
- [Section 3.2, "Defining charge components for a product"](#)
- [Section 3.3, "Specifying Charge details for a contract"](#)

### 3.1 Charge Class

This section contains the following topics:

- [Section 3.1.1, "Defining a Charge Class"](#)
- [Section 3.1.2, "Associating an Event/Role to Head Class with a Charge Class"](#)
- [Section 3.1.3, "Maintaining Charge Class mapping details"](#)
- [Section 3.1.4, "Charge Processing across modules in Oracle Lending"](#)

#### 3.1.1 Defining a Charge Class

A class is a specific type of component that you can build with certain attributes. You can build a charge class, for instance, with the attributes of a specific type of charge, such as 'Charges for amending the terms of a loan', or 'Charges for provision of services'.

When building a charge class, you define certain attributes such as:

- The module in which you would use the class
- The charge type (whether borne by the counterparty or by the bank)
- The association event
- The application event
- The liquidation event
- The default settlement currency
- The default charge rule

You can define the attributes of a charge class in the 'Charge Class Maintenance' screen, You can invoke the 'Charge Class Maintenance' screen by typing 'LFDCHGCE' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.



### Class Code

Before defining the attributes of a charge class, you should assign the class a unique identifier, called the Class Code and briefly describe the class. A description would help you easily identify the class.

### Module

A charge class is built for use in a specific module. As a charge component would be applied on different basis amounts, in different modules.

---

#### Note

The Basis Amount Tags available would depend on the module for which you build the class.

---

### Charge Type

The charges or fee that you levy is recovered, typically, from the counterparty involved. Therefore, when building a charge class, you would indicate the charge to be of a 'Counterparty', 'Third Party' and 'Their Charges' type. The following example illustrates how a charge could be of a 'Credit' type.

#### **Example**

You are buying a bond issued by the central bank, on behalf of the government. The central bank levies a processing charge on the instrument.

When defining a charge class, you would indicate the charge type to be Credit. This means that you would bear the charge.

### **Third-party Type**

If a charge component that you associate with a product is of 'third party' type, indicate it in the 'Third Party Type' field.

### **Debit/Credit**

Charges are considered either as inflow or outflow based on Debit type/Credit Type flag at charge class level.

### **Add/Subtract**

If you choose to include the charge component in the net value, you should indicate if the charge component is to be *added*, while calculating the net consideration amount, or *subtracted*.

### **SWIFT Qualifier**

You can report the charge component of a contract in the SWIFT messages that you generate. To do this, identify the component, when building it in the 'Charge Class Maintenance' screen, with the appropriate SWIFT code.

### **Example**

Assume you buy securities from a counterparty. The different components of the deal are:

- The value of the securities USD 50,000.
- The applicable tax USD 1000
- The accrued interest USD 1500
- The applicable charge USD 50

### **Result**

If you choose the Net Consideration option, and decide to add the charge component to the value of the deal (and deduct the tax involved), the net value of the deal would be: USD 50,550.

If you choose the Net Consideration option, and decide to subtract the charge component from the value of the deal (and deduct the tax involved), the net value of the deal would be USD 50,450.

If you *do not* choose the Net Consideration option and choose to deduct the tax component, the value of the deal would be USD 50,500. The charge component would not be included.

### **3.1.1.1 Defining the Events and the Basis Amount**

A contract goes through different *stages* in its life cycle, such as:

- Initiation
- Amendment
- Rollover and so on

Each of these stages is referred to as an 'Event' in Oracle Lending.

At any of these events, you can choose to apply a charge or fee. When defining a charge class, you should specify the following:

- Association Event
- Application Event
- Liquidation Event

The event at which you would like to *associate* a charge component to a contract is referred to as the Association Event. At this event, no accounting entry (for the charge component) is passed.

The event at which the charge component is actually *calculated* is referred to as the Application Event. The charge or fee is liquidated at the Liquidation Event that you specify.

The basis on which interest, charge, fee, or tax is calculated is referred to as the Basis Amount. (A charge or fee can be on the basis of the loan amount, for instance.) The different basis amounts, available in a module, are associated with a unique 'tag'. When building a charge component, you have to specify the *tag* associated with the Basis Amount. When charge or fee is calculated for a contract, the basis amount corresponding to the tag is taken up automatically.

### **3.1.1.2 Indicating whether the Derivation of the Charge Rule is required**

While defining a charge class you can indicate whether the class should have a default charge rule or whether the appropriate rule is to be derived on the basis of the transaction count.

If you enable this option you need to identify various transaction limits for a Charge Class, Module, Customer Group, Customer, and Account combination and associate the charge rule which is to be applied when customer transactions within a group exceed the specified limit. In addition, you are not allowed to specify the Default Charge Rule. Typically, you need to enable this option while building charge classes for the CF module.

---

#### **Note**

You are not allowed to enable this option while defining a charge class meant for the LD module.

---

### **3.1.1.3 Specifying the Reset Frequency and the Reset Basis Month**

If you have indicated that the charge rule is to be derived on the basis of the transaction count, you must specify the Reset Frequency.

The reset frequency indicates the frequency at which the transaction count that is tracked at the charge component and account level is to be reset. You can specify the required frequency.

---

#### **Note**

If you choose the monthly, quarterly, half-yearly, or yearly frequency the transaction count is reset on month-ends. However, in the case of quarterly, half-yearly, or yearly reset cycles you must identify the basis month that need to be considered for arriving at the date on which transaction count needs to be reset by choosing the Default Charge Rule

---

You can link a charge rule that you have defined to the charge component that you are building. When you link a rule to a component, the attributes that you have defined for the rule defaults to the component.

To recall, a charge rule identifies the method in which charge or fee of a particular type is to be calculated. A rule is built with, amongst others, the following attributes:

- The charge currency
- Whether the charge or fee is to be a flat amount or calculated on a rate basis
- The minimum and maximum charge that can be applied

- The tier or slab structure on which the charge is to be applied
- The customer and currency restrictions and so on

The charge component to which you link a rule acquires these properties. Charges for the product with which you associate a charge component is calculated, by default, according to the rule linked to the component. However, when processing a contract, you can choose to *waive* the rule altogether.

When building a charge class, you can choose to allow the amendment of the rule linked to it, in the following conditions:

- You can choose to allow amendment after the association event
- You can choose to allow amendment after the application event
- You can choose to allow amendment of the charge amount

#### **3.1.1.4 The Settlement currency**

Charges or fees levied on a contract are settled in the Settlement Currency that you specify for the charge class associated with the product (under which the contract is processed). However, when processing a contract, you can choose to settle the charge in another currency.

#### **3.1.1.5 Including a component in SWIFT messages**

You can report the charge component of a contract in the SWIFT messages that you generate. To do this, identify the component, when building it in the Charge Class Maintenance screen, with the appropriate SWIFT code.

##### **Example**

You would like to report the details of the corporate actions that you perform on a customer portfolio, over SWIFT. Assume you would like to report the charge component (amongst others) in the message that you send your customer.

Each component is identified in SWIFT with a unique code. When building the component Charges for provision of services, in the Charge Class Maintenance screen, you can enter its SWIFT Code.

In the SWIFT Qualifier field, you should enter CHAR.

#### **3.1.1.6 Specifying the SWIFT Charges**

While building a charge class for the Loans module you can indicate the charge application treatment for handling incoming funds transfers which need to be repaired.

If you want to apply the repair charge fee for the customer, you need to maintain the preference for collecting repair charges. The options available are.

- SWIFT: the charge is levied on the bearer of the charge. The bearer is determined from field 7A.
- Repair: the charge component is collected from the Remitter.

---

##### **Note**

The repair charges that you have defined are applied on all incoming messages involving the module. In case you do not specify the charge type; the repair fee is collected from the beneficiary of the bank.

---

### **3.1.1.7 Allowing Rule Amendments**

If you would like to allow the amendment of a rule for a charge component, indicate this by selecting the 'Allow Rule Amendment' option.

### **3.1.1.8 Amendment Options**

When you associate a charge component with a product, you can choose to allow the amendment of the rule linked to it, under the following conditions:

- You can choose to allow amendment after the association event
- You can choose to allow amendment after the application event
- You can choose to allow amendment of the charge amount

### **3.1.1.9 Default Waiver**

The charge component to which you link a charge rule acquires the properties defined for the rule. Charges for contracts (maintained under the product with which you associate the class you are building) are calculated, by default, according to the rule linked to the component. However, when maintaining a product, you can choose to waive the rule altogether. If you want to indicate that the charge rule must be deemed as waived by default, select this option.

### **3.1.1.10 Consider as Discount**

While defining a charge class for either the loans or the bills module, you can indicate whether the charge component is to be considered for discount accrual on a constant yield basis.

If you select this option the charge received for the component is used in the computation of the constant yield and subsequently amortized over the tenor of the associated contract.

### **3.1.1.11 Accrual Required**

If you select this option, the charge received for the component is accrued based the constant yield and subsequently amortized over the tenor of the associated contract.

### **3.1.1.12 Propagation Required**

Select this option to indicate that the charge collected from the borrower must be passed on to the participants of the contract.

### **3.1.1.13 Net Consideration**

The sum of the different components of a contract determines the *net value* of the contract. You can indicate that a charge component should be taken into account when determining the net value of a contract by choosing the Net Consideration option.

### **3.1.1.14 Charge Statement Required**

You can indicate whether the details of charges that are booked under the charge class should be displayed in the charge statement that is sent to the customer.

### **3.1.1.15 Specifying the Charge details**

While building a charge class you must specify the Charge related details which include the following:

#### **Charge Mode**

The charging mode can be any one of the following:

- Online – charges can be liquidated as and when you are processing a transaction. The charge entries are booked while saving the transaction. The accounting entries are picked up from the product involving the transaction to which the charge component is linked.
- Deferred – Such charges are collected and liquidated at the end of a specified period. If you choose to defer the entries, the entries are posted as per the charge frequency defined for the charge class. The accounting entries are picked up from the Role-to-Head/Event Class linked to the charge class.
- Periodic – periodic charges are collected from customer accounts at a specified periodicity.
- Ad-hoc - There may be occasions when you may need to apply specific charges on a customer account. You can use the ad-hoc charging feature for such charging.

You can define charge classes specific to each type of charging mode.

---

### Note

Online, periodic, and ad-hoc charges cannot be consolidated. In case of deferred charges you can also choose to consolidate charges across modules. Deferred charges are stored at the Charge Class level. Liquidation of these charges is done on the basis of the charge liquidation frequency that you specify.

---

For deferred, periodic, and ad-hoc charges, you must associate the Role-to-Head and Event classes with the Charge Class. Since it is not possible to associate the relevant Role-to-Head and Event classes at the time of creating a new charge class you can follow the sequence of operations given below:

- Create a new charge class without specifying the Role-to-Head and Event classes.
- Authorize the class. This creates the relevant accounting roles and amount tags.
- Define the Role-to-Head and Event classes using the accounting roles and amount tags.
- Associate the relevant Role-to-Head and Event classes by amending the Charge class and authorize the amendment.

### Charge Class Priority

You can specify the sequence in which charges should be liquidated when the charging mode is deferred or periodic by assigning a priority with each class that you define. Lets assume you have defined five charge classes for FT module and assigned different priorities to them. During liquidation charges are liquidated in the order of priority.

Deferred and Periodic charges are liquidated through the Charge Liquidation batch function, which should be executed both at BOD and EOD. Refer to the section titled End of Day Processing for Charges for information on the end of day processing for the sub-system.

### Charge Frequency

If you prefer the Deferred or Periodic mode of charging you have to indicate the frequency at which charges are to be debited to the customer's charge account. You can select any of the frequency listed below:

- Daily
- Monthly
- Quarterly
- Half-yearly
- Yearly

The frequency that you specify applies to all accounts to which the component applies. You are not allowed to change the charge frequency at the product level.

### Charge Liquidation Day

You can choose to liquidate charges either during EOD on the last working day of the period or during BOD of the first working day of the new period. If you have selected the Monthly, Quarterly or Yearly as the charge frequency, liquidation is performed only during month-ends.

The option is not applicable for Online and Ad-hoc charges.

### Charge Liquidation Value Day

The value date of the charge entry can either be on the first calendar day of the next period or it can be on the first working day of the next period.

This option is applicable only when for deferred consolidation (entry or component level) charges.

### Basis Month

When the charging mode is Deferred or Periodic you have to identify the basis month for charge liquidation if the selected frequency is Quarterly or Yearly. In case of a quarterly frequency, the subsequent quarters are calculated based on the basis month that you specify. In case of a Yearly frequency, the charge liquidation is performed in the month that you select.

### Charge Consolidation Type

When the charge mode is deferred you can choose to indicate whether charges should be consolidated across modules. If you opt to consolidate charges you can indicate whether the consolidation should be performed at the Entry level or at the Component level.

#### Example

The following deferred charges are outstanding for a customer account:

Charge Component	Reference Number	Charge Currency	Amount
CHG1	100L10003001000 1	USD	1000
CHG1	100L10003001000 2	USD	800
CHG1	100L10003001000 3	USD	600
CHG1	100L10003001000 4	USD	500

The balance in the customer account is USD 1900.

#### Case I – you choose not to consolidate charges

The following entries are posted.

Debit	Account	USD 1000
Debit	Account	USD 800

For the other records, the system creates individual blocks on the customer based on the accounting entry setup.

**Case II – Entry-level consolidation**

If you select the entry-level consolidation option the following entries are posted to the account:

<b>Debit</b>	<b>Account</b>	<b>USD 1800</b>
--------------	----------------	-----------------

For the other charge records, the system may create individual blocks on the customer based on the accounting entry setup.

**Case III – Charge consolidation**

No entries are posted to the account.

For all the charge records, the system creates a single block on the customer account based on the accounting entry set up.

**Consolidation Basis**

The consolidation basis indicates whether consolidation is to be performed for all currencies (involved in transactions linked to the product) or only for the account currency of the transaction.

You are allowed to specify the consolidation basis only if you have indicated that charges should be consolidated either at the entry level or at the component level.

If the basis is Account Currency, the charge is consolidated only if the charge currency is same as the charge account currency. If the basis is All Currency, charges are consolidated irrespective of the charge amount currency and charge account currency.

Charges are consolidated at the following levels:

- Module
- Branch
- Account
- Component
- Charge Currency

The system generates a new transaction reference number for posting the consolidated entries.

If you prefer not to consolidate deferred charges, the accounting entries are posted with the same reference and event sequence number as of the contract when the charge liquidation event is triggered. To facilitate this you need to associate the charge liquidation (CLIQ) event with the product using the charge class.

Online or Non-consolidated charges are stored in the following sequence:

- Branch
- Account
- Module
- Component
- Transaction reference number
- Event sequence number



Refer to the section titled Maintaining Charge Class details for consolidating Charges across modules for additional information on this feature.

### **3.1.2 Associating an Event/Role to Head Class with a Charge Class**

Every charge class you maintain should be linked to an Event and Role to Head mapping class. The ICCF Rule and the three classes together provides the infrastructure to define the accounting entries, charge advices, and computation scheme for the charging required for accounts associated with this class.

---

#### **Note**

If you select Online as the Charge Mode you are not allowed to specify accounting and MIS details like Role-to-Head class, Event class, and MIS Group. This is because the accounting entries for the online charge mode are picked up from the product involving the transaction to which the charge component is linked.

---

#### **3.1.2.1 Identifying the Rate Code and Type**

The rate associated with this rate code is used to get the exchange rate when applying a charge component in a currency other than the account currency. You also need to identify the Rate Type which is to be associated with the rate code.

#### **3.1.2.2 Associating an MIS Group with the charge class**

If you have indicated that Charges should be consolidated across modules you need to identify the MIS Group that is to be associated with the charge class. While posting the consolidated entry for a particular charge the MIS details are picked up from the MIS group associated with the charge class.

### **3.1.3 Maintaining Charge Class mapping details**

A charge class (component) is defined for a specific module. However, you can define a charge class which allows for consolidation of charges across modules by defining a charge class and associating it with a module called CF. Although data is stored for the CF module all components defined for the CF module is available across modules, thus enabling consolidation of charges across modules.

Since the events for charge booking, initiation, liquidation, and the basis amount tags differ from module to module, a pre-defined set of events and basis amount tags are defaulted to the respective fields in the Charge Class Maintenance screen, when you select CF as the module that is to be associated with the charge class. The pre-shipped events and amount tags that are defaulted for the CF module are:

<b>Association Event</b>	<b>CBOK (Contract Booking)</b>
Application Event	CINI (Contract Initiation)
Liquidation Event	CLIQ (Contract Liquidation)
Basis Amount Tag	TXN_AMT (Transaction Amount)

However, you can identify the events and basis amount tags for specific modules, which uses the Charge Class meant for the CF module. You can specify module specific events and amount tags the 'Charge Class Maintenance'(LFDCHGCE) screen.

---

**Note**

You can select the module for which you would like to specify separate events and basis amount tags and associate the events/basis amount tags with the respective module.

---

### **3.1.4 Charge Processing across modules in Oracle Lending**

Listed below are a few pointers which you need to bear in mind while defining Charge Classes for the following modules:

- The charging mode can only be deferred when you are building a Charge Class for the LF modules.
- Deriving charge rules and levying charges on the basis of the transaction count is not applicable for the OL module. While defining a charge class for the LF module you need not be able to map OL to the charge class. However, you are allowed to consolidate and defer charge posting for the module.
- For the OL module the charge account associated with the settlement instruction is debited for charges.

## **3.2 Defining charge components for a product**

This section contains the following topics:

- [Section 3.2.1, "Associating a charge class with a product"](#)
- [Section 3.2.2, "Associating several charge classes with a product"](#)
- [Section 3.2.3, "Stop Association"](#)

You can specify the charge components applicable to a product, in the Charge Definition sub-screen of 'Loans and Commitment Product Definition' (OLDPRMNT) screen. Click 'Charges' from 'Loans and Commitment Product Definition' screen to invoke the 'Charge Definition' sub-screen.

You should necessarily use a charge class to indicate the charge components applicable to a product. A charge class is a specific type of component that you can build with certain attributes.

### 3.2.1 **Associating a charge class with a product**

To associate a charge class with a product, select the appropriate charge class from the list of classes defined specifically for the particular module of Oracle Lending. Click 'Default From Class' from the 'Charge Definition' screen.

The attributes defined for the charge class are displayed. You have the option to change the attributes defined for the charge class to suit the requirement of the product you are creating.

### 3.2.2 **Associating several charge classes with a product**

You can associate several charge classes with a product. To add to the list of classes associated with the product click the 'Add row' button. Thereafter, click 'Default From Class' and select a class from the option list that is displayed.

To navigate between the charge classes associated with a product, you can use the icons provided for the same.

To disassociate a class from the product, navigate to the class, and click the 'Delete row' button.

### 3.2.3 Stop Association

You can choose to waive a charge component for a product that you are defining by clicking on this option. The charge component displayed in the Component field is not associated with the portfolios maintained under the product that you are defining.

---

#### Note

- The charge details specified for a product is automatically applied on all contracts involving the product.
  - The options 'Accrual Required' and 'Debit/Credit' is defaulted from the 'Charge Class Maintenance' screen. You cannot change these preferences in this screen.
- 

## 3.3 Specifying Charge details for a contract

This section contains the following topics:

- [Section 3.3.1, "Features of the Contract Charge Details screen"](#)
- [Section 3.3.2, "Charge details"](#)

From the Loan and Commitment - Contract Input ('OLDTRONL') screen, click 'Charges' to invoke the 'Charge Details' sub-screen.

When the details of a contract are captured, the charge components defined for the product is automatically applied. However, while processing a contract, you can change certain attributes of the charge component.

Loan and Commitment-Contract Input

Charge Details

Contract Reference \*

Charge Association

<input type="checkbox"/>	Creation ESN	Component *	Rule	Waived	Consider as Discount	Accrual Required
--------------------------	--------------	-------------	------	--------	----------------------	------------------

Charge Application

<input type="checkbox"/>	Creation ESN	Component *	Tag Currency	Tag Amount	Charge Currency	Charge Amount	Wai
--------------------------	--------------	-------------	--------------	------------	-----------------	---------------	-----

Ok Exit

### 3.3.1 Features of the Contract Charge Details screen

The contract reference number of the contract you are processing is displayed on this screen.

### 3.3.2 Charge details

The charge components specified for the product to which you have linked the contract is displayed in tabular columns. You can choose to waive these components for the contract you are processing.

#### **Component**

The name given to the charge component is displayed here. The attributes defined for this component is displayed in the subsequent fields.

For a charge component the following details are displayed:

- The event that triggers the application of the charge being defined
- If the charge is a rate, it is defaulted from the product. This can be changed here.
- The currency in which the charge is specified if it is a flat amount and the flat amount itself.

#### **Waiver**

The attributes of a charge or fee defined for a product, are applied on all contracts involving the product. To waive the charge or fee on a contract you are processing, choose this option. The charge or fee is calculated but not applied.

At the time of processing the contract, you can change the following attributes:

- The rate
- The rate code for the contract

These default to the contract from the product, and can be changed for the contract.

#### **Example**

You have defined a Charge Rule, SplChgPor02. The structure of the Rule is as follows:

- Basis amount Currency – Euro
- Slab Min/Max Currency - USD
- Rule Currency – USD
- Settlement Currency INR

<b>Amount</b>	<b>Rate</b>	<b>Min Amount</b>	<b>Max Amount</b>
0 to 250 Thousand	0.05%	100	1000
> 250 Thousand <= 1 Million	0.06%		
> 1 Million <= 3 Million	0.07%		
> 3 Million	0.08%		

The exchange rates maintained for the currency pair involved are as follows:

- EUR/FRF = 6.55957
- USD / FRF = 6.76

- USD / INR = 47.45

When this rule is applied on a deal of value 300 thousand FRF, the charge is calculated as follows

**Step 1**

The Contract Amount is converted to the Basis Amount Currency -

$$300000/6.55957 = \text{EUR } 45734.71$$

So the rate applicable is the first slab rate, that is, 0.05%

**Step 2**

The Charge is calculated as follows –

$$300000 * 0.05 = \text{FRF } 15000$$

**Step 3**

The Charge is converted to the Slab Min/Max Currency -

$$15000/6.76 = \text{USD } 2218.93$$

Since the amount is more than the maximum amount the charge is computed as USD 1000

**Step 4**

The charge amount is converted to the Rule Currency. Since the rule currency is also USD the charge amount is computed as USD 1000.

This charge is settled in the settlement currency INR as INR 21.07 while processing the contract.

---

**Note**

The charge is debited from the charge account in the currency of the charge account.

---

**Consider as Discount**

While associating a charge class for either a loans or bills contract, you can indicate whether the charge component is to be considered for discount accrual on a constant yield basis.

If you select this option the charge received against the component is used in the computation of the constant yield and subsequently amortized over the tenor of the associated contract.

**Accrual Required**

This field is defaulted from the Charge Class Maintenance screen. You cannot change it in this screen.

During the charge liquidation if this option is selected, the system uploads the charge as Upfront Fee Component. The FELR event is activated and FACR happens based on the frequency maintained at the product level.

Any subsequent liquidation of the charges of the same component is treated as amendments to the existing uploaded fee component.

You are not allowed to perform any manual operation on the uploaded fee component.

---

**Note**

If both the options 'Consider as Discount' and 'Accrual Required' are selected, the charge amount is considered for Internal Rate of Return calculation. But it is not part of the total discount to be accrued amount.

---

## 4. Processing Fees

This section contains the following topics:

- [Section 4.1, "Defining a Fee Class"](#)
- [Section 4.2, "Defining fee components for a product"](#)
- [Section 4.3, "Specifying Fee details for a contract"](#)

### 4.1 Defining a Fee Class

A class is a specific type of component that you can build with certain attributes. You can build a fee class, for instance, with the attributes of a specific type of fee, such as Loan processing fees, Amendment Fees.

When building a fee class, you define certain attributes such as:

- Module in which you would use the class
- Fee type
- Basis Amount Tag
- Fee Rule
- Fee Rule type
- Payment Type
- Fee collection mode
- Default Fee rule

You can define the attributes of a fee class in the 'Fee Class Maintenance' screen, You can invoke the 'Fee Class Maintenance' screen by typing 'LFDFFEECL' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

The screenshot displays the 'Fee Class Maintenance' application window. At the top, there are buttons for 'New' and 'Enter Query'. Below this, there are input fields for 'Class Code \*' and 'Module \*'. To the right, there are fields for 'Class Description' and 'Module Description'. The main area is divided into several sections: 'Main Preferences' includes fields for 'Basis Amount Tag', 'Amount Tag Description', 'Fee Rule', 'Fee Rule Description', and 'Payment Type', along with a list of fee types (Agency Fee, FAS91 Fee, Participant Driven Fee, Expense Fee, Flat Amount/Rate for Schedule, Fee BPS Applicable during Fee Payment, Flat Fee) and dropdowns for 'Fee Rule Type' (Margin Rule) and 'Fee Collection Mode' (Arrears). 'Date Preferences' has checkboxes for 'Allow Start Date Input' and 'Allow End Date Input'. 'Liquidation Preference' includes a 'Liquidation Mode' dropdown (set to Auto) and a 'Payment delay Days' field. 'Accrual Preference' has a checkbox for 'Accruals Required' and an 'Accrual Method' dropdown. At the bottom, there are fields for 'Maker', 'Checker', 'Date Time', 'Mod No', 'Record Status', and 'Authorization Status', along with an 'Exit' button.



## **Class Code**

Before defining the attributes of a fee class, you should assign the class a unique identifier, called the Class Code and briefly describe the class. A description would help you easily identify the class.

## **Module**

A fee class is built for use in a specific module. As a fee component would be applied on different basis amounts, in different modules.

---

### **Note**

The Basis Amount Tags available would depend on the module for which you build the class.

---

## **Fee Type**

The Rule Type identifies the type of component you are defining. The attributes applicable for a component depend on the Rule Type. Select the fee rule type as 'ICCF Rule' or 'Margin Rule'.

## **Fee Rule**

If fee type is 'ICCF Rule', then you can get the fee rule details from 'Rule Master Definition' Screen. If type is 'Margin Rule' then you can get fee rule details from 'Fee Rule Maintenance' screen.

## **Allowing Rule Amendments**

If you would like to allow the amendment of a rule for a fee component, indicate this by selecting the 'Allow Rule Amendment' option.

## **Consider as Discount**

While defining a fee class for either the loans or the bills module, you can indicate whether the fee component is to be considered for discount accrual on a constant yield basis.

If you select this option the fee received for the component is used in the computation of the constant yield and subsequently amortized over the tenor of the associated contract.

## **Payment Delay Days**

The free period between 'Schedule Date' and 'Pay by Date'. Based on 'Payment Delay Days', the extended buffer period is provided for the fee payment. Hence, instead of the due date, fee payment is done at 'Pay by Date'. 'Payment Delay Days' can be overwritten while creating a new product even if same is defined at Fee maintenance level. This field is optional.

---

### **Note**

This is applicable for ICCF fee components. This functionality is NOT applicable to adhoc fees and adhoc expenses.

---

## **Accrual Required**

If you select this option, the fee received for the component is accrued based the constant yield and subsequently amortized over the tenor of the associated contract.

## **Propagation Required**

Select this option to indicate that the fee collected from the borrower must be passed on to the participants of the contract.

## **Fee Mode**

The fee mode can be any one of the following:

- Arrears
- Advance

---

**Note**

Advance fee is supported only if Basis Amount Tag is 'User Input'.

---

## 4.2 Defining fee components for a product

This section contains the following topics:

- [Section 4.2.1, "Associating a fee with a product"](#)
- [Section 4.2.2, "Associating several fee classes with a product"](#)
- [Section 4.2.3, "Stop Association"](#)
- [Section 4.2.4, "Specifying Fee Period Basis"](#)
- [Section 4.2.5, "Specifying Fee Basis"](#)
- [Section 4.2.6, "Payment Delay Days"](#)

You can specify the fee components applicable to a product, in the fee Definition sub- screen of 'Loans and Commitment Product Definition' (OLDPRMNT) screen. Click 'Fee' from 'Loans and Commitment Product Definition' screen to invoke the 'Fee Details' sub-screen.

You should necessarily use a fee class to indicate the fee components applicable to a product. A fee class is a specific type of component that you can build with certain attributes.

### 4.2.1 **Associating a fee with a product**

To associate a fee class with a product, select the appropriate fee class from the list of classes defined specifically for the particular module of Oracle Lending. Click 'Default From Class' from the 'Fee Details' screen.

The attributes defined for the fee class are displayed. You have the option to change the attributes defined for the fee class to suit the requirement of the product you are creating.

### 4.2.2 **Associating several fee classes with a product**

You can associate several fee classes with a product. To add to the list of classes associated with the product click the 'Add row' button. Thereafter, select a class from the option list that is displayed and then click 'Default From Class'.

To navigate between the fee classes associated with a product, you can use the icons provided for the same.

To disassociate a fee from the product, navigate to the class, and click the 'Delete row' button.

### 4.2.3 **Stop Association**

The fee component displayed in the Component field is not associated with the portfolios maintained under the product that you are defining.

---

#### **Note**

- The fee details specified for a product is automatically applied on all contracts involving the product.
  - The options 'Accrual Required' is defaulted from the 'Fee Class Maintenance' screen. You cannot change these preferences in this screen.
- 

### 4.2.4 **Specifying Fee Period Basis**

During fee accrual calculation, you can choose fee period basis to compute number of days for the fee schedule based on the option chosen during contract life cycle.

You can select the tenor basis upon which fee is computed over a schedule or fee period for a contract. You can select an option in while defining fee components for a product and the same is inherited to the contract. If required, you can change the default option.

You can select any of the following options:

#### **Including the From Date**

For all schedules, the period considered for fee calculation includes the start date and exclude the end date. Therefore, the value date of the loan is considered for fee calculation and the maturity date is excluded.

#### **Including the To Date**

For all schedules, the period considered for fee calculation excludes the start date and include the end date. Therefore, the value date of the loan is excluded, but the maturity date is included for fee calculation.

#### **Including both From and To Dates**

The period considered for fee calculation includes both the value date and the maturity date. This means the following:

- For the first schedule, it includes the value date. Fee is calculated for the value date
- For the last schedule, it includes the maturity date.
- Fee is calculated for the maturity date

### Excluding both From and To Dates

The period considered for fee calculation excludes both the value date and the maturity date. This would mean:

- For the first schedule, it excludes the value date. No fee is calculated for the value date
- For the last schedule, it excludes the end date. No fee is calculated for the maturity date

### Example

A loan with a value of USD 400,000 is value dated 1st January 2019 and matures on 1st May 2019. The intermediate fee payment schedules are on 1st February 2019, 1st March 2019 and 1st April 2019.

Schedule	Start Date	End Date
1	1st January 2019 (Value Date)	1st February 2019
2	1st February 2019	1st March 2019
3	1st March 2019	1st April 2019
4	1st April 2019	1st May 2019 (Maturity)

The periods considered for fee calculation for each schedule, for each of the four options, are arrived at as given below:

### Include From Date

Schedule	Days from	Days To	Days for Fee Calculation
1	1st January 2019 (including)	1st February 2019	31
2	1st February 2019	1st March 2019	28
3	1st March 2019	1st April 2019	31
4	1st April 2019	1st May 2019 (excluding)	30

### Include To Date

Schedule	Days from	Days To	Days for Fee Calculation
----------	-----------	---------	--------------------------

1	1st January 2019 (excluding)	1st February 2019	31
2	1st February 2019	1st March 2019	28
3	1st March 2019	1st April 2019	31
4	1st April 2019	1st May 2019 (including)	31

**Include both From and To Dates**

Schedule	Days from	Days To	Days for Fee Calculation
1	1st January 2019 (including)	1st February 2019	31
2	1st February 2019	1st March 2019	28
3	1st March 2019	1st April 2019	31
4	1st April 2019	1st May 2019 (including)	31

You would notice that consequent to the first schedule, this option would work in the same manner as the Include To Date option.

**Exclude From and To Dates**

Schedule	Days from	Days To	Days for Fee Calculation
1	1st January 2019 (excluding)	1st February 2019	30
2	1st February 2019	1st March 2019	28
3	1st March 2019	1st April 2019	31
4	1st April 2019	1st May 2019 (excluding)	30

You would notice that consequent to the first schedule, this option would work in the same manner as the Include From Date option.

**4.2.5 Specifying Fee Basis**

A new fee basis methods are introduced to support fee calculations based on working days and 365.25 as denominator for leap and non-leap year.

Different values for the numerator basis are as explained below:

- Actual - Actual number of days in a month is taken.

- 30 (Euro) - 30 days is considered for all months including February irrespective of leap or non-leap year.
- 30 (US) - 30 days is considered for interest computation for all months except February where the actual number of days is considered.
- Working Days - To calculate the working days, branch holiday maintenance of the branch where loan is booked is considered. During fee calculation the days are calculated based on the working days.

Different values for the denominator of the fee basis are as explained below.

- 252- Number of days in a year is taken as 252 which is the number of working days.
- 360 - Number of days in a year is taken as 360 irrespective of actual number of calendar days.
- 365 - Number of days in a year is taken as 365 for leap as well as non-leap year.
- Actual: Actual number of days in a year is taken for interest calculation which is 366 for non-leap year.
- 365.25 - Number of days in a year is taken as 365.25 for leap as well as non-leap year.

---

#### Note

- 252 fee basis is applicable for all schedule type like, bearing, Amortized, Discounted, and so on. There is no restriction in component level for the application of 252 basis.
- The system does not consider the currency holiday preference for working day calculation. It considers only the branch local holiday maintenance.
- No changes are done to fee basis available in currency definition screen.
- Fee accrual happens only for working days. The fee basis gets the number of days from the previous accrual date to the current accrual date. If there are no holidays in a month, even though denominator is 252, interest accrual happens till end of the month.

In case an ad hoc holiday is declared, then the system does not recalculate the fee as part of ad hoc holiday processing. Accrual adjustment for the unaccrued portion happens on the schedule end date.

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#### 4.2.6 Payment Delay Days

This value is defaulted from 'Fee Class Maintenance' screen. If required, you can edit during product creation or modification.

### 4.3 Specifying Fee details for a contract

This section contains the following topics:

- [Section 4.3.1, "Features of the Contract Fee Details screen"](#)
- [Section 4.3.2, "Fee details"](#)

From the Loan and Commitment - Contract Input ('OLDTRONL') screen, click 'Fee' to invoke the 'Fee Details' sub-screen.

Loan and Commitment-Contract Input

Fee Components

Contract Detail

Product Code  Product Description

Contract Ref No  User Ref No

Customer  Customer Name

Facility Name

Fee Components

1 Of 1 Go

<input type="checkbox"/>	Component	Fee Rule	CCY	Association Date	Start Date	End Date	Liquidation Mo

Agy. Fee | P Fee | FAS91 | Ratio

Ok Exit

When the details of a contract are captured, the fee components defined for the product is automatically applied. However, while processing a contract, you can change certain attributes of the fee component.

#### 4.3.1 **Features of the Contract Fee Details screen**

The contract reference number of the contract you are processing is displayed on this screen.

#### 4.3.2 **Fee details**

The fee components specified for the product to which you have linked the contract is displayed in tabular columns.

##### **Component**

The name given to the fee component is displayed here. The attributes defined for this component is displayed in the subsequent fields.

For a fee component the following details are displayed:

- Billing Notice Required
- Billing Notice Days
- The currency in which the fee is specified if it is a total fee amount and the total fee amount itself.

##### **Consider as Discount**

It is applicable for only Advance Fee type and for IRR computation.

##### **Accrual Fee**

In the Accrual Fee Class maintenance screen (LFDACFCL), you maintain accrual fee related details.

In the Product Definition screen, you can get these details and link it to the 'Accrual fee'.

The accrual fee will not be defaulted to the contract. You need to go to 'Amortization Fees' screen (LFDACFIN).

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**Note**

If both the options 'Consider as Discount' and 'Accrual Required' are selected, the fee amount is considered for Internal Rate of Return calculation.

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**Fee Period Basis**

During periodic accruals for a contract, fee accruals also depend on the fee period basis defined for the contract. The fee period basis determines whether the fee calculation for schedules takes into account the schedule start dates or the end dates, or both, or whether it excludes both.

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**Note**

For contracts booked with the fee period basis as 'Include To Date' and 'Include To and From Date', the maturity date is considered for fee calculations. However, accrual is posted in previous working day prior to maturity date and there is no accrual on maturity date.

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**4.3.3 Pay By Date**

After providing the fee schedule details, 'Payment Schedule Summary' displays the 'Pay By date' based on the parameter 'Payment Delay Days'.

Loan and Commitment-Contract Input - Transaction Branch Code : APR

Schedule Details

Schedule Summary

<input type="checkbox"/> Pay By Date	Projected Amount Due	Due As Per Rate Fixing	Total Amount Paid	Total Adjusted Amount	Expected Balance	Pay Receive Amount
<input checked="" type="checkbox"/> 2017-06-07	17,037.55	16,894.75	0.00	0.00		0.00
<input type="checkbox"/> 2017-07-07	16,907.56	16,805.56	0.00	0.00		0.00
<input type="checkbox"/> 2017-08-07	16,791.12	16,738.42	0.00	0.00		0.00

Schedule Details

<input type="checkbox"/> Component	Pay In/Out	Projected Amount Due	Due As Per Rate Fixing	Amount Paid	Moratorium Interest	Adjusted Amount	Expected Balance	Pay Receive Amount	Component Type	Due Date
<input checked="" type="checkbox"/> INT_FIX_DI	Pay In	215.28	215.28	0.00	0.00	0.00	0.00	0.00	I	2017-06-02
<input type="checkbox"/> PRINCIPAL	Pay In	16,686.67	16,686.67	0.00	0.00	0.00	33,333.33	0.00	P	2017-06-02
<input type="checkbox"/> SOFPINT	Pay In	155.60	12.80	0.00		0.00	0.00	0.00	I	2017-06-02

- Interest Rate Details

<input checked="" type="checkbox"/> Calculation Date	Principal Basis	Base Rate	Spread / Margin	Spread Adjustment	No. of Days	Compound Interest	Simple Interest	Total Interest	Cumulative Interest	Moratorium Interest
<input checked="" type="checkbox"/> 2017-05-02	50,000.00	5	0	0	31	0.00	215.28	215.28	215.28	0.00



- After capturing all the details at contract level, liquidation event FLIQ fires on 'Pay by Date' for advance and arrear fee components.
- Pay By Date is applicable for bullet fee schedule also.
- Accruals takes place according to the liquidation done on 'Pay by date'.
- Accounting entries are similar to that for normal loans.

#### 4.3.3.1 **Payment Delay Days: 5 Days**

- Product Maintenance screen > Fee Detail > For example. Payment Delay Days as 5 Days.
- Schedule >Schedule Details

Type	Component	Start Date	Amount
Payment	Fee_Comp1	15 Jun 2018	1000
Payment	Fee_Comp2	15 Jun 2018	1000

- Schedule Details should display an additional information "Pay by Date" derived using "Payment Delay Days".

For advance and arrear fee components, fee liquidation takes place on 20<sup>th</sup> June 2018 instead of 15<sup>th</sup> June 2018 as a result of payment delay days.

Due Date	Component	Total Amount Due	Pay By Date
15 Jun 2018	Fee_Comp1	1000	20 Jun 2018
15 Jun 2018	Fee_Comp2	1000	20 Jun 2018

#### 4.3.4 **Liquidating Fee Components**

You can manually liquidate the fee schedules defined for fee components in the 'Fee Liquidation' screen. You can liquidate even future dated schedules through this screen.

You can view manual and auto liquidation fee details here. You can query and view the fees that are reversed either by manual or auto fee liquidation method.

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

Fee Liquidation - X

New Enter Query

◀ Of ▶

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**Contract Details**

<p><b>Contract Ref No *</b> <input type="text"/></p> <p>Product Code <input type="text"/></p> <p>Customer <input type="text"/></p> <p>Facility Name <input type="text"/></p> <p>ECA Status <input type="text"/></p>	<p>User Ref No <input type="text"/></p> <p>Product Description <input type="text"/></p> <p>Customer Name <input type="text"/></p> <p>Branch <input type="text"/></p> <p><input type="checkbox"/> Residual Required</p>
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**Date and Amounts for Population of Components Due**

<p>Value Date <input type="text" value="dd-MMM-yyyy"/></p> <p>Limit Date <input type="text"/></p> <p style="text-align: center;"><input type="button" value="Populate"/></p>	<p>Schedule Date <input type="text" value="dd-MMM-yyyy"/></p> <p>External Transaction Ref No <input type="text"/></p>
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Settlements | Events

<p>Maker Id <input type="text"/></p> <p>Date Time <input type="text"/></p> <p>Status <input type="text"/></p>	<p>Checker Id <input type="text"/></p> <p>Checker Date <input type="text"/></p> <p>Authorization Status <input type="text"/></p>
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To liquidate a fee component schedule, do the following:

1. Select the contract for manual liquidation
2. Click on the new button - Click 'New' from the menu. The 'Value Date' and 'Limit Date' displays the current system date. The accounting entries for liquidation will be passed as of the value date.
3. You can change the value date, if required. However, if you specify a back valued date, it cannot be earlier than the last schedule that was paid. The date you capture here is the date on which liquidation occurs.
4. You can also change the limit date. This date indicates the date upto which you want to make the payment. This may include future schedules as well as unpaid past schedules. Again, a back valued limit date should not be earlier than the last liquidation date. Also, you can specify a limit date beyond the contract maturity date.
5. After capturing the value date and the limit date, click the 'Populate' button. The system will display all the components which are due till the limit date (both unpaid past and future schedules till the limit date). The following details are displayed in the 'Payment Breakup' section of the screen:
  - Component
  - Currency
  - Mode of liquidation
  - Amount Due
6. The 'Payment Breakup For –' section of the screen will display the component-wise schedule breakup. The following details are displayed here:
7. Due Date of each schedule defined for the component (upto the limit date)

8. Amount Due for each due date
9. Pending Amount Due (= Amount Due)
10. Select 'Cash Prop' box to indicate that the below component is for cash payment during fee liquidation:
  - Facility Fee
  - Commitment Fee
  - Stand by LC Fee
11. Commercial LC fee You can check the 'Cash Prop' flag only if the fee component which is getting liquidated is maintained in the static table. Otherwise the flag is not allowed to be selected.
12. Capture the amount you want to pay for a component in the 'Amount Paid' field. This amount may be less than or equal to the 'Amount Due'.

After capturing the 'Amount Paid', click the 'Allocate' button. The system allocates the amount against each schedule and update the 'Amount Paid' against each schedule in the 'Payment Breakup For – (Component Name)' section of the screen.

You can perform selective liquidation of the fee components as the payment happens, if required. For this, you need to specify the amount in the Amount Paid field for the fee component which needs to be liquidated. The System liquidates only those components for which Amount Paid value is the same as Amount Due. You cannot perform partial payments here.

For those components which are not part of the current fee liquidation, you need to specify the Amount Paid as zero.

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## 5. Function ID Glossary

### L

LFDCHGCE .....3-1, 4-1  
LDFEELCL .....4-1  
LFDRLAVL .....2-2  
LFDRLAVL .....2-2  
LFDRLAVL .....2-2

### O

OLDFEELQ ..... 4-10  
OLDPRMNT .....3-11, 4-3  
OLDTRONL .....3-13, 4-7