

Oracle® Banking Treasury Management

Islamic Derivatives User Guide



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The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

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Preface

This manual is designed to help you to quickly get acquainted with the Islamic Derivatives Module of Oracle Banking Treasury Management.

This preface has the following topics:

- [Audience](#)
- [Acronyms and Abbreviations](#)
- [Conventions](#)
- [List of Topics](#)
- [Related Resources](#)
- [Symbols and Icons](#)

Audience

This guide is intended for Back Office Data Entry Clerk, Back Office Managers/ Officers, Product Managers, End of Day Operators, and Financial Controller users.

Acronyms and Abbreviations

The acronyms and abbreviations are listed in this below table:

Table 1 Acronyms and Abbreviations

| Abbreviations or Acronyms | Definition |
|---------------------------|------------------------------------|
| AEOD | Automated End of Day |
| AIF | Alternative Investment Fund |
| CLS | Continuous Linked Settlement |
| CIF | Customer Information Files |
| DV | Derivatives |
| Dr | Debit |
| EOFI | End of Financial Input |
| EOD | End of Day |
| FX | Foreign Exchange |
| GL | General Ledger |
| IRS | Internal Revenue Service |
| ICCB | Interest Commission Charge and Fee |

Table 1 (Cont.) Acronyms and Abbreviations

| Abbreviations or Acronyms | Definition |
|---------------------------|------------------------------------|
| LCY | Local Currency |
| LIBOR | London Interbank Offered Rate |
| MM | Money Market |
| OBTR | Oracle Banking Treasury Management |
| OT | Over the Counter Options |
| RFR | Risk Free Rates |

Conventions

The following text conventions are used in this document:

Table 2 Conventions and Meaning

| Convention | Meaning |
|-----------------|--|
| boldface | Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary. |
| <i>italic</i> | Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values. |
| monospace | Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter. |

List of Topics

This guide is organized as follows:

| Topics | Description |
|---|---|
| General Maintenance | Explains the basic information maintenance that needs to be set up before the Islamic Derivatives module becomes operational. |
| Define Attributes specific to Islamic Derivative Products | Explains the procedure to define attributes specific to Islamic derivative products. |
| Define the Fair Price Revaluation Methods | Explains the procedure to define fair price revaluation methods. |
| Process an Islamic Derivative Contract | Explains the details of a derivative that should be captured. It also explains how to associate a product with a contract. |
| Confirmation of Profit and Principal Schedules | Explains the confirmation of profit and principal schedules. |
| Batch Process | Explains the Beginning and End of Day functions that are processed by the system. |
| Accounting Entries and Advices | Explains the accounting entries and advices of DV contract. |
| Error Code and Messages | Explains the error code and messages of DV contract. |





Related Resources

For more information, see these Oracle Banking Treasury Management resources:

- *The Procedures User Manual*
- *The Products User Manual*

Symbols and Icons

Table 3 Symbols

| Icons | Function |
|---|-------------|
|  | Exit |
|  | Add row |
|  | Delete row |
|  | Option List |

1

Introduction

It is important to note that before you begin any operations in the Islamic Derivatives module you have to maintain certain basic information which is necessary for the successful functioning of the module. The information that you need to maintain includes

- Defining derivative types
- Bank and Branch parameter details
- Revaluation details
- Messaging party details
- Counterparty details
- Limits Processing

Although you maintain this information at the outset before beginning any transactions in this module, it is imperative that you periodically review and update this information to reflect the latest changes.

The procedure to maintain these details is documented in the following sections:

- [Maintain Derivative Types](#)
This topic explains the systematic instructions to Maintain Derivative Types.
- [Maintain Branch Parameters](#)
This topic provides the systematic instruction to maintain branch parameters.
- [Maintain Counterparty Master Agreement Details](#)
This topic provides the systematic instructions to maintain counterparty master agreement details.
- [Maintain Financial Center](#)
This topic provides the systematic instruction to maintain the financial center.
- [Maintain Message Parties Details](#)
This topic describes the systematic procedure to maintain message parties details.
- [Maintain Limits Processing Details](#)
This topic provides the systematic instruction to maintain limits processing details.

1.1 Maintain Derivative Types

This topic explains the systematic instructions to Maintain Derivative Types.

The difference between this module and the other modules in Oracle Banking Treasury is that before maintaining the products it is required to define Derivative Types. The derivative instruments are classified as an FRA, CCS or IRS in maintaining derivative types. Additionally, it is possible to capture relevant information about the instrument. For instance, indicating whether schedules are allowed or whether interest is to be paid in advance or arrears and so on. The advantage of defining derivative types is that at the time of creating a product you need to specify the code assigned to the derivative type. The basic details you have specified for the derivative type will be automatically inherited by the product and consequently by any contract entered using that product.

1. On the Home page screen, type **DVDDTMNT** in the text box, and click the next arrow.

The **Derivative Type Maintenance** Screen is displayed.

Figure 1-1 Derivative Type Maintenance

The screenshot shows the 'Derivative Type Maintenance' application window. At the top left, there are 'New' and 'Enter Query' buttons. The main area is divided into several sections:

- Derivative Type *:** A text input field.
- Type Description:** A text input field.
- Islamic Derivatives:** A toggle switch.
- Holiday Treatment:** A section with a 'Combined' toggle switch.
- Principal Details:** A section with several toggle switches: 'Cross Currency Allowed', 'Exchange Required', 'Asynchronous Schedules', 'In Schedules Allowed', 'Out Schedules Allowed', and 'Resettable Cross Currency'.
- Interest Details:** A section with toggle switches for 'Asynchronous Schedules' and 'INT Netting Required'.
- Inflation Preferences:** A section with a toggle switch for 'Inflation Swap' and a text input field for 'Indexation Type' with 'Inflation Revenue' entered.
- Amortization Start Date:** Radio buttons for 'Termination Date' and 'Settlement Date'.
- In Leg Interest Details:** A section with toggle switches for 'Asynchronous Revision Schedules', 'Revision Schedules Allowed', 'Interest Schedules Allowed', and 'Compounding Allowed'. It also has radio buttons for 'Payment Method' with options 'Advance' and 'Arrears'.
- Out Leg Interest Details:** A section with toggle switches for 'Asynchronous Revision Schedules', 'Revision Schedules Allowed', 'Interest Schedules Allowed', and 'Compounding Allowed'. It also has radio buttons for 'Payment Method' with options 'Advance' and 'Arrears'.
- Internal Remarks:** A text input field at the bottom.

At the bottom of the window, there are buttons for 'Fields', 'Audit', 'Exit', and 'Save'.

2. Select New from the Actions menu in the Application tool-bar or click the new icon, to maintain details of New Derivative Type. For more information o fields, refer to field description table.

For more information on the fields, refer to the below table.

When calling already defined derivative type maintenance record, choose the Summary option under Derivative Type. From the Summary screen, double click a record of your choice to open it.

The **Derivative Type Detailed Maintenance** screen is displayed.


Table 1-1 Derivative Type - Field Description

| Field | Description |
|--------------------------------|--|
| Derivative type | <p>The first attribute that you define for the derivative is its type. A type defines the basic characteristics of the instrument. It indicates whether the:</p> <ul style="list-style-type: none"> • Deal involves a single currency or two currencies. • Deal involves multiple interest schedules. • Interest will be liquidated in a single payment. <p>By suitably defining a derivative type, you will be able to define the following basic instrument types and their variants:</p> <ul style="list-style-type: none"> a. Forward Rate Agreements (FRA) b. Cross Currency Swaps (CCS) c. Interest Rate Swaps (IRS) |
| Type Description | <p>Assign a brief description of the derivative type that you are defining. This description will be associated with the type only for information purposes. Under each Derivative Type, you can create any number of products.</p> |
| Principal Details | <p>As part of specifying the principal details, you have to indicate whether two separate currencies can be maintained for both the inward and outward legs of all the contracts linked to the derivative type you are creating. If you choose to allow cross currencies for the in and out legs of contracts linked to the derivative type, then you have to also indicate whether the contract principal has to be exchanged upon initiation and maturity.</p> <p>Apart from this, you also have to indicate whether multiple schedules can be defined for the principal component. If you choose to define multiple schedules, then the frequency of these schedules can be indicated at the time of specifying the product preferences. You can select anyone as the frequency for the principal schedules:</p> <ul style="list-style-type: none"> • Daily • Weekly • Monthly • Quarterly • Half-yearly • Yearly <p>But if you choose not to define multiple schedules, then the principal liquidation for all the contracts linked to this type will be done on contract maturity.</p> <p>Also, in the leg and out leg principal schedules, that you define for a contract need not be in sync with each other. You can choose to have asynchronous schedules for both the in and out legs of the contract.</p> |
| Amortization Start Date | <p>In the case of termination of hedge deals, indicate the date from which the amortization of gains and or losses should start. While terminating swaps, amortization should start as of the termination date, and in the case of FRAs, amortization must start as of the settlement date.</p> |

Table 1-1 (Cont.) Derivative Type - Field Description

| Field | Description |
|------------------------------------|--|
| Holiday Treatment | <p>You can indicate how a particular scheduled date must be treated if it falls due on a holiday. The holiday movement of the principal, interest and revision schedules for each of the in and out legs can be based on:</p> <ul style="list-style-type: none"> • The holiday table maintained for a single financial center or single currency specified at the leg level, or • The combination of holiday tables of multiple financial centers/currencies. <p>Select the Combined option on this screen if you want the movement of schedules to be based on the combination of holiday tables maintained for multiple financial centers/currencies at both the legs of the contract. This will be applicable if the holiday treatment (specified at the contract level) is based on the holiday calendars of the currencies or financial institutions involved in the contract. Your specification will be automatically inherited by the product associated with the derivative type and consequently by any contract entered using the respective product.</p> |
| Resettable cross currency | Select this box to identify the derivatives product is plain or a resettable swap. |
| Interest Details | Specify the following details. |
| Netting Required | <p>If two or more accounting entries for an interest schedule payment are to be passed in the same currency on the same Value Date, then in Oracle Banking Treasury you are allowed to net these entries. However, netting of entries is allowed only in the case of single currency derivative types. If you are maintaining details of a cross-currency type you will not be allowed to net entries. Asynchronous Schedules Netting of interest schedules is allowed for synchronous schedules for In leg and Out leg. But for asynchronous schedules of In leg and the out leg, the netting is applied only for the interest schedules which have the same value dates. Netting is applicable only for Interest Rate Swap.</p> |
| Inflation Preferences | Specify the following fields. |
| Inflation Swap | Check this box to indicate that the product type must be Inflation swap. |
| Indexation Type | <p>Select the indexation type from the adjoining drop-down list. The list displays the following values:</p> <ul style="list-style-type: none"> • Inflation Revenue • Zero Coupon • Year on year |
| In/Out Leg Interest Details | Specify the Fields. |

Table 1-1 (Cont.) Derivative Type - Field Description

| Field | Description |
|--|--|
| Interest Schedules Allowed for the leg type | <p>While maintaining the derivative type, it is required to indicate whether contracts linked to the derivative type can have multiple schedules, or whether the schedules have to be bulleted.</p> <p>In Oracle Treasury Banking application, you can choose to have multiple schedules for one leg and bullet schedules for the other leg. For instance, you can indicate that the in leg schedules have to be bulleted and the out leg schedules have to be multiple. Consequently, for all contracts linked to this type, the in leg schedules will be bulleted while the out leg can have multiple schedules.</p> <p>Choose to define multiple schedules for both the inward and outward legs and indicate that the frequency of repayment should differ.</p> |
| Revision schedules allowed for the leg type | <p>Just as in the case of interest schedules so also revision schedules too can either be multiple or bulleted, depending upon your specification.</p> <p>A revision schedule is a period for which a floating interest rate is to be used. Normally, this would be the same as the interest schedule but in Oracle Banking Treasury you are allowed to maintain separate interest and revision schedules. Therefore, you have to specify whether the revision schedules defined for the particular (In or Out) leg of the contract need to be in sync with the interest schedules, or whether they can be asynchronous. For instance, you may like to permit contracts with semi-annual interest payments with quarterly revision in interest rate</p> |
| Payment Method | <p>Interest amount repayments for both the inward and outward interest legs can be made either at the start of the interest period or the end of the interest period. For instance, a typical FRA would require a discounted cash-flow to be paid at the commencement of the period while an interest rate swap would require cash-flows to be exchanged at the end of each interest period.</p> <p>Your choice of the payment method at the derivative type definition level, will have defaulted to all the contacts linked to the derivative type.</p> |
| Compounding Allowed | <p>Check this box to indicate that the compounding preference must be allowed for the relevant leg.</p> |
| Internal Remarks | <p>When creating the derivative type, you can capture additional information about the type intended for the internal reference of your bank. Your remarks will not be printed on any correspondence with the customer.</p> <p>However, you can choose to include these remarks in the reports that you generate.</p> <div style="border: 1px solid #0070C0; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>You will not be allowed to change the details of an existing derivative type except change the Description Type and the Internal Remarks.</p> </div> |

3. On the **Derivative Type** screen, click Fields

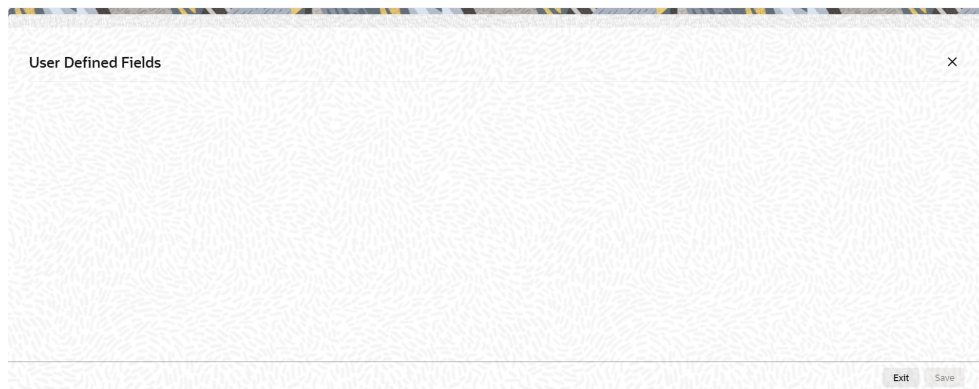
You can associate values to all the User Defined fields created and attached to the Derivative Type Maintenance screen.

You can specify the value for the UDFs listed here in the Value column.

For more details on how to create user Defined fields, refer chapter Creating custom fields in Oracle Banking Treasury in the User Defined Fields User Manual under Modularity.

The **User Defined Fields** screen is displayed.

Figure 1-2 User Defined Fields



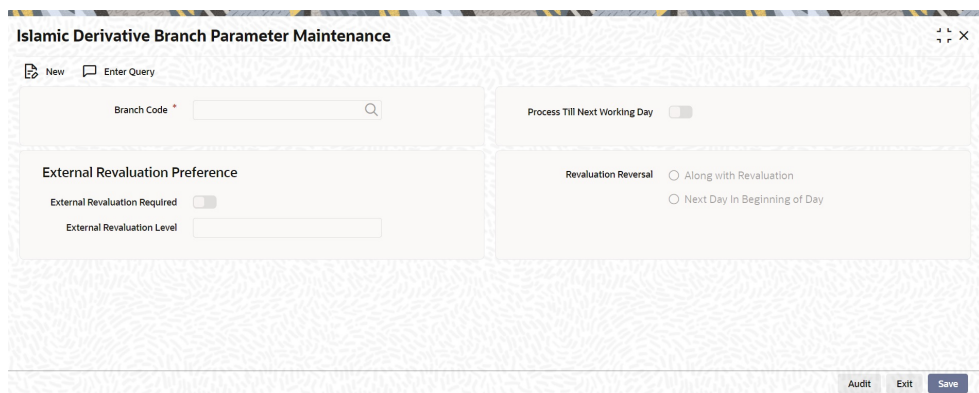
1.2 Maintain Branch Parameters

This topic provides the systematic instruction to maintain branch parameters.

You can maintain branch level parameters that govern the processing of Islamic Derivatives in a particular branch of your bank through the Islamic Derivative Branch Parameters Maintenance screen.

1. On the Home page, type **IDDBRNPM** in the text box, and click the next arrow.
The **Islamic Derivative Branch Parameter Maintenance** screen is displayed.

Figure 1-3 Islamic Derivative Branch Parameter Maintenance




2. On the **Islamic Derivative Branch Parameters** screen click New and specify the fields.

For more information on the fields, refer the following field description table:
Those events, which have to be triggered automatically, will be processed accordingly during batch process. However, you are required to indicate how automatic events falling due on a holiday needs to be processed.

Table 1-2 Islamic Derivative Branch Parameter Maintenance

| Field | Description |
|--------------------------------------|---|
| Branch Code | Select the Branch Code from the option list. This field is mandatory. |
| Process Till Next Working Day | Select the Process Till Next Working Day check box. Specify whether the batch process must process automatic events falling due on a holiday is either <ul style="list-style-type: none"> As part of the EOD process on the last working date before the holiday. As part of the BOD process on the next working day after the holiday. <p>For example, Assume today is 15th November 2000, 16th November 2000 and 17th November 2000 are holidays. If you check this field, during the Automatic Batch Update function run, only the events scheduled for 15th November 2000 will be processed. The events scheduled for the holidays, i.e., 16th November 2000, and 17th November 2000 will be processed during the Automatic Batch, Update function run during the beginning of day operations on 18th November 2000.</p> <p>This field is optional.</p> |
| Revaluation Reversal | You can indicate the manner in which deal level reversal of Unrealized Revaluation with Previous Year Adjustment must be processed as a branch level parameter. The options available are: Click either of the following options: <ul style="list-style-type: none"> Along with Revaluation- Click the Along with Revaluation option. The Reversals of entries for a particular revaluation is performed at the time of the next revaluation. Next Day in BOD - Indicates revaluation gain/loss that must be reversed the very next day during the BOD process. If the BOD processing date happens to be the first day of the financial year, revaluation reversal will be done from the Previous Year Adjustment GL maintained in the Chart of Accounts. <p>For instance, You have entered a deal with the following parameters: Revaluation method is Fair Value Revaluation Netting Required option is set to Yes; and Revaluation Frequency is monthly Frequency Start Day as 1. Assume that the deal comes into existence on the 15th of July. The fair value of the In Leg is USD 500, and that of the Out Leg is USD 350 as on the 1st of August. This results in a revaluation gain of USD 150 (500 –350)</p> <p>This field is optional.</p> |
| External Revaluation Required | Select the check box next to the External Revaluation Required, for the revaluation to be done externally. If this field is checked, ensure to set the external revaluation level to either branch level or product level in Derivative Branch Parameter Maintenance screen. |

Table 1-2 (Cont.) Islamic Derivative Branch Parameter Maintenance

| Field | Description |
|-----------------------------------|---|
| External Revaluation Level | Choose the external revaluation level as required. There are two options for external revaluations, one at the branch level and the other product level. <div style="border: 1px solid #0070C0; background-color: #E6F2FF; padding: 10px; margin-top: 10px;">  Note: If External revaluation is enabled, external revaluation level is mandatory. </div> |

1.3 Maintain Counterparty Master Agreement Details

This topic provides the systematic instructions to maintain counterparty master agreement details.

Through the Derivatives Counterparty Master Agreement Maintenance screen, you can enter the details of the master agreement(s) with each counterparty.

Query operation from an external system is supported for the master agreement maintenance.

If you are maintaining details of a new master agreement, click the new icon. The Counterparty Master Agreement Maintenance screen will be displayed without any details.

If you are calling a master agreement record that has already been defined, choose the Summary option under Counterparty. From the Summary screen, double click a record of your choice to open it.

1. On the Home page, type **DVDCPMNT** in the text box, and click next arrow.

The **Counter Party Master Agreement Maintenance** screen is displayed.

Figure 1-4 Counter Party Master Agreement Maintenance

2. On **Counter Party Master Agreement Maintenance**, specify the fields, and click Ok. For more information on fields, refer to the below table.

Table 1-3 Counter party Master Agreement Maintenance - Field Description

| Field | Description |
|--|---|
| Counter Party and Master Agreement code | Each master agreement that you create can be associated with a counterparty. You have to indicate the code assigned to the counterparty for whom the master agreement is being maintained. After you specify the customer for which the master agreement is being maintained, enter a code to uniquely identify the master agreement. You can follow your conventions while devising this code. |
| Master Agreement Type | Indicate the type of master agreement under which the contract falls. The provided available options in the options list contains a list of standard master agreement types. They are as follows: <ul style="list-style-type: none"> • AFB • BBAIRS • ISDA • FRABBA • DEVR • FBF • OTHERS |

Table 1-3 (Cont.) Counter party Master Agreement Maintenance - Field Description

| Field | Description |
|--------------------------------|---|
| Product Group | <p>A product is a specific service that you offer your customers. In Oracle Banking Treasury, you are required to group products according to the common attributes that they share. This kind of grouping of products helps you organize information about the services that you provide. Besides, it also simplifies information retrieval.</p> <p>The maintenance of product groups is done through the Product Group Definition screen. You can indicate the product group whose contracts can be linked to the master agreement.</p> |
| Version | Indicates the version number of the master agreement for which you are maintaining details. |
| Utilization Currency | If you have indicated that Limit Tracking is required, then you need to specify the utilization currency. The currency that you specify here will be taken as the credit limit utilization currency for the master agreement. |
| Agreement Date | Specify the date as of which the master agreement was signed. |
| Credit Netting required | <p>One of the main advantages of maintaining a master agreement is the credit netting provision. While defining the master agreement, you can indicate whether the positive and negative contract fair values should be netted for the counterparty.</p> <p>This concept can be explained with the help of an example: For example, CHASEMANN is a customer of your bank, and currently, you are managing ten contracts for your customer. You have linked the contracts, according to their attributes to different master agreements in the following manner:</p> |

Table 1-4 Crediting Netting required

| MA Code and Description | Contract Reference No. | MTM Value |
|----------------------------------|------------------------|-----------|
| MA 1 (Master Agreement for CCS) | 000DV21992950261 | USD 100 |
| | 000DV21992950262 | USD 20 |
| | 000DV21992950264 | USD 100 |
| MA 2 (Master Agreement for FRAs) | 000DVFR992950002 | GBP 100 |
| | 000DV21992950277 | GBP 50 |
| | 000DV01992951117 | GBP -50 |
| MA 3 (Master Agreement for IRS) | 000DV21992950278 | FRF -20 |
| | 000DV21992950279 | FRF 100 |
| | 000DV21992950182 | FRF 50 |
| | 000DV21992950188 | USD -50 |

The Utilization Currency that you have indicated for the three Master Agreements is as follows:

MA 1 - USD

MA 2 - GBP

MA 3 - FRF

Scenario 1

You have indicated that for all contracts falling under MA 1 credit netting is required both at the MA level and the contract level. Since you have indicated that credit netting is required the system does the necessary computations and the credit exposure, in this case, will be USD 180.

Scenario 2

For all contracts falling under MA 2, you have indicated that credit netting is not required. The credit exposure, in this case, will be 100 GBP.

Scenario 3

While processing the contract, you have indicated that the contract bearing the reference number 000DV21992950188 should be excluded from netting.

Now the credit exposure, in this case, will be FRF 130.

 **Note:**

In the above example, you will notice that the contract currency and the utilization currency are the same. Therefore the system did not have to do any currency conversions. However, most often than not, the base currency of the contract will be different from the utilization currency. In such cases, the system converts the MTM value of the contract using the rates maintained in the 'Exchange Rates Maintenance' screen and thus arrives at the credit exposure amount.

Table 1-5 Field Description


| Field | Description |
|------------------------------|--|
| Master Agreement Year | Every master agreement that you define will invariably refer to the Book of Definitions (ISDA Definition). You have to indicate the year of definition, which applies to the master agreement in this field. |
| Collateral Agreement | Indicate whether collateral agreements are applicable for the master agreement. <div data-bbox="764 1465 898 1507" data-label="Section-Header"> <p> Note:</p> </div> <div data-bbox="812 1526 1435 1614" data-label="Text"> <p>The system checks this box by default. If you do not want the collateral agreements to become a part of the master agreement, leave this box unchecked.</p> </div> |

Table 1-5 (Cont.) Field Description

| Field | Description |
|---|--|
| Limits Tracking Details | You have to indicate whether exposure against the master agreement needs to be tracked for the counterparty limits. If you want to track counterparty limits for exposure against the master the agreement then you need to specify the default credit line against which the credit limit utilization of contracts under the master agreement will be tracked. You can specify whether Notional Limits tracking is required for the Customer and also specify the line code against which the notional limit should be tracked. If you have indicated that Fair Value Limit tracking is required for the master agreement then you are required to specify the default fair value credit line against which the credit limit. The utilization of contracts under the master agreement will be tracked. Additionally, you can specify whether Risk-Weighted Limits Tracking is required and also select the line code against which the Risk-Weighted Limit should be tracked. The options Notional Limits Tracking, Fair Value Limits Tracking and Risk Weighted Limits Tracking will be enabled only if the Limits tracking option is selected. Subsequently, you also have to indicate the utilization currency. This currency will be taken as the credit limit utilization currency for the master agreement. |
| Agreement Details and Internal remarks | After specifying the main details about the master agreement you can summarize the entire agreement and store details about it. This information is basically for the internal reference of your bank and will not be reflected on any customer correspondence. Additionally you can also capture your own internal remarks about the master agreement that you have created. These remarks too will not be reflected in your correspondence with the customer. |
| Sub Agreements | With every master agreement that you create, you can link one or more sub-agreements. After creating a sub-agreement, you can either choose to link it to the master agreement or choose to link it at a future point in time. |
| Code | Specify a code to identify the sub-agreement that you are creating. The code that you specify will have to be a unique code at the counterparty level. |
| Description | Enter a brief description that will enable you to identify the sub-agreement code being maintained quickly. The description that you specify here is for information purposes only and will not be printed on any customer correspondence. |
| Date | Specify the date as of which the sub agreement was signed. |
| Agreement Details | Summarize and capture all the details about the sub-agreement. The details that you enter here is not printed on any customer correspondence. |
| Linkage | Check this box to indicate that the sub-agreement for which you are maintaining details should be associated with the master agreement. |

1.4 Maintain Financial Center

This topic provides the systematic instruction to maintain the financial center.

Specify User ID and Password, and login to the Homepage.

The purpose for maintaining clearing houses or financial centers is that at the time of processing the contract you can indicate that holiday treatment for principal and profit schedules and for rate resets must be according to the holiday calendar of the financial center.

1. On the Home page, type **STDFCDMT** in the text box, and click next arrow.

The **Financial Center Maintenance** screen is displayed.

Figure 1-5 Financial Center Maintenance

You can maintain details of new financial center.

2. On the **Actions** menu, click **New**.

The **Financial Center Maintenance** screen is displayed.

For more information on the fields, refer the following field description table given below:

Table 1-6 Financial Center Maintenance

| Field | Description |
|-------------------------------------|--|
| Financial Center | In Oracle Banking Treasury Management, assign a unique three-character code to the clearing house that you are maintaining. The code that you assign is used to identify the particular clearing house whenever you link it to a particular contract. You can follow your own convention while devising this code. This field is mandatory. |
| Financial Center Description | Provide a brief description to the code so that you can identify it easily while retrieving information. The description that you provide is for information purposes only and will not be printed on any customer correspondence. This field is mandatory. |
| Swift Code | Specify the SWIFT Code that you wish to maintain for the Financial Center. This field is mandatory. |

If you are calling a financial center record maintenance record that has already been defined, choose the Summary option under Financial Center. In the Summary screen, double click on a record of your choice.

1.5 Maintain Message Parties Details

This topic describes the systematic procedure to maintain message parties details.

At every stage in the life cycle of a transaction, you will need to send various messages to your customer. You need to send these messages to the recipient of the message whom your customer has identified as the receiver of the message. The Messaging Parties Maintenance screen will enable you to capture details of the recipients of derivative messages that have to be sent to the various counter parties.

1. On the Home page, type **DVDMGMNT** in the text box, and click next arrow.
The **Messaging Parties Maintenance** is displayed.

Figure 1-6 Messaging Parties Maintenance

2. Select New from the Actions menu in the Application toolbar or click the new icon to maintain details of a new receiver on behalf of the counterparty,
3. On the **Messaging Parties Maintenance** screen, specify the fields. For more information of fields, refer to field description table.

Table 1-7 Messaging parties Maintenance- Field Description

| Field | Description |
|----------------------|---|
| Receiver Id | This is the code assigned to the receiver of the message. Specify a unique code to identify the receiver of the message. |
| Medium | Choose the medium through which you wish to send the message. This can be any of the following: <ul style="list-style-type: none"> • Mail • Telex • Fax • SWIFT |
| Receiver Name | Indicates the name of the receiver of the message. Specify the name of the party who will receive the message on behalf of the customer. |

Table 1-7 (Cont.) Messaging parties Maintenance- Field Description



| Field | Description |
|------------------------------|--|
| Address | <p>While maintaining the messaging party details, it is required to indicate the mailing address of the receiver of the message. All the messages addressed to the counterparty is directed to the receiver address that you specify.</p> <p>During contract input, when you indicate the ID of the receiver, the default address specified for the receiver is displayed.</p> <p> Note:</p> <p>If you specify that the message should be sent through SWIFT, then you have to indicate the SWIFT address of the receiver in the first line of the address box before you specify the mailing address.</p> |
| Language | <p>The message can be sent to the receiver in the language of the receiver. This adjoining option list displays a list of language codes. You can choose the appropriate one available in this field.</p> <p> Note:</p> <p>Remember that to send a message to a receiver in a particular language, you must have also maintained a message format for the language in the Advice Format Maintenance screen.</p> |
| Message Party Details | Specify the following details. |
| Message Type | Your customer can identify more than one receiver as the recipient of messages that you need to send the customer as and when required. Additionally, your customer can also instruct you to send specific messages to different receivers. |

Table 1-7 (Cont.) Messaging parties Maintenance- Field Description

| Field | Description |
|-------------------------------------|---|
| Customer Identification File | <p>After you select the list of messages that have to be sent to your customer, you have to specify the ID assigned to the particular customer for whom you are maintaining recipient details. The adjoining option list displays a list of all the CIF ID's, that you have maintained through the Customer Information Maintenance file. Thus every time you send a message to the particular customer, it will reach the recipient whom the customer has identified as the official receiver of the message.</p> <p>Example</p> <p>CHASEBANK is the customer of your bank. CHASEBANK has identified Peter and Yvonne as the recipients of any mail messages that need to be communicated to them. You have also been instructed by CHASEBANK, that all cancellation messages should be sent to Peter, and all other messages can be sent to Yvonne. While maintaining Messaging Party Maintenance details, you have to enter Peter in the Receiver ID field and Mail as the medium of sending the message. Select DV_CANC_CCS in the Party Type field. Secondly, since CHASEBANK has instructed you to send all cancellation messages to Peter, that you have to select from the list and associate all possible cancellation messages that may have to be sent to CHASEBANK with Peter's ID.</p> |
| Default | <p>While maintaining receiver details, you can identify a particular receiver as the default receiver of messages that need to be sent to the customer. All those messages that have been marked for the particular will be sent to the default receiver.</p> |

1.6 Maintain Limits Processing Details

This topic provides the systematic instruction to maintain limits processing details.

You can track the current value and exposure details of a counterparty using the Islamic Derivatives Other Exposures Maintenance screen.

- On the Home page, type **IDDLMVAL** in the text box, and click next arrow.
You can track the current value and exposure details of a counter party.
The **Islamic Derivative Other Exposures Maintenance** screen is displayed.

Figure 1-7 Islamic Derivative Other Exposures Maintenance

For more information on the fields, refer to the following field description table:

Table 1-8 Islamic Derivative Other Exposures Maintenance

| Field | Description |
|--------------------------|---|
| Reference Number | The system displays the reference number of the contract. This field is mandatory. |
| User Reference | The system displays the user reference number based on the contract reference number. This field is optional. |
| Limit Type | The system displays the Limit Type tracked for the contract. This field is optional. |
| Transaction Date | This is the date on which the transaction is processed. This field is optional. |
| Effective Date | Specify the date on which the contract becomes effective for tracking. This field is optional. |
| Current Value | It represents the mark-to-market value of the contract. This value will change as and when the contract is revalued. This field is optional. |
| Interest Exposure | It indicates the exposure to fluctuation in interest rates. This field is optional. |
| FX Exposure | It indicates the exposure to fluctuations in exchange rates only when foreign currency is involved. This field is optional. |

2

Define Attributes Specific to Islamic Derivative Products

This topic describes the manner in which you can define attributes to create a derivative product in the ID Product Definition screen.

- [Create Derivative Product](#)
This topic describes the Derivative product creating process.
- [View Product Summary Details](#)
This topic provides systematic instruction to view the Islamic derivatives products summary details.

2.1 Create Derivative Product

This topic describes the Derivative product creating process.

In Derivatives Product Definition screen, specify basic information about the derivative product such as Product code, the description, etc.

1. On the Home page, type **IDDPRMNT** in the text box, and click next arrow.
The **Islamic Derivative Product Definition** screen is displayed.

Figure 2-1 Islamic Derivative Product Definition

The screenshot shows the 'Islamic Derivatives Product Definition' interface. It includes a search bar at the top with 'New' and 'Enter Query' buttons. The main content area is split into two columns. The left column contains several input fields with asterisks indicating required fields: Product Code, Product Description, Product Type, Description, Slogan, Product Group, Product Group Description, Start Date, End Date, and Remarks. The right column is titled 'Exchange Rate Variance (%)' and contains four input fields: Override Limit (with a value of 3), Stop Limit (with a value of 100), Rate Code, and Rate Type Preferred. At the bottom of the screen, there is a horizontal navigation bar with buttons for Accounting Roles, Events, Preferences, Profit, Charges, Tax, MIS, ISDA, Audit, and Exit.

2. On the **Derivative Product Definition** screen, specify the fields and click **Ok**.

For more information about the fields, please refer to the below table.

For any product created in Oracle Banking Treasury, click the appropriate icon in the horizontal array of icons in the screen to define generic attributes such as:

- Interest Details
- Tax Details

For a derivative product, in addition to these generic attributes, define specific other attributes. These attributes are discussed in detail in this chapter.


Define the attributes specific to a derivative product in the Derivatives Product Maintenance screen and the Product Preferences screen. In these screens, specify the product type and set the product preferences respectively. For further information on the generic attributes refer to the following Oracle Banking Treasury User Manuals under Modularity:

- Product Definition
- Interest
- Charges and Fees
- Tax
- User Defined Fields
- Settlements

Table 2-1 Derivative Product Definition- Field Description

| Field | Description |
|----------------------------|--|
| Product Code | Identify the derivative product created with a unique Product Code. This code must be unique across all the modules of Oracle Banking Treasury. The field is mandatory. |
| Product Description | Describes the product created in this field. The description entered here helps to identify the product all through the module. |
| Product Type | Specify the Product Type. The product type identifies the basic nature of a product. The derivative types maintained through the Derivative Type Maintenance screen reflects in the options list available for this field. A derivatives product created belongs to any one of the following types: <ul style="list-style-type: none"> • Forward Rate Agreements • Interest Rate Swaps • Cross Currency Swaps |
| Product Slogan | Specify a slogan for the product created that suitably announces the product to your customers. |
| Product Group | The product type identifies the basic nature of a product. The derivative types maintained through the 'Derivative Type Maintenance' screen reflects in the options list. Invoke the list of the product groups maintained in the bank and choose the product group to which the product that you are creating belongs. |
| Start Date | Specify an offered date. Specify the date in the Start Date Field. |

Table 2-1 (Cont.) Derivative Product Definition- Field Description

| Field | Description |
|-------------------------------------|--|
| End Date | Specify the date until the product is open in the field.  Note: Do not enter a date that is earlier than the current system date. It is not possible to offer a product beyond the specified end date. If an end date is not specified for a product, it can be offered from an indefinite period. |
| Remarks | Specify the remarks related to the product. Its for reference. |
| Exchange Rate Variance (in%) | Defines the exchange rate variance that allows for a derivatives product. This variance is expressed in percentage. For a special customer, or in special cases, use an exchange rate (a special rate) that is greater than the exchange rate f3rmaintained for a currency pair. The variance is referred to as the Exchange Rate Variance. When creating a product, express an Exchange Rate Variance Limit in terms of a percentage. This variance limit would apply to all contracts associated with the derivatives product. |
| Override Limit | If the variance between the default rate and the rate input varies by a percentage that is between the Override Limit and the Rate Stop Limit, save the transaction (involving the product) by providing an override. |
| Stop Limit | If the variance between the default rate and the rate input varies by a percentage greater than or equal to the Stop Limit, its not possible to save the transaction involving the product. |
| Rate Code | Select the appropriate rate from the option list to specify whether to use Mid Rate for all Cross Currency transactions or the Buy/Sell Rate is used, depending on the nature of the transaction. It is required to maintain Buy, Sell, and Mid Rates for every Currency Pair and Rate Type combination. |
| Rate Type Preferred | Specify the Rate Type that should be used for Cross Currency transactions. The adjoining option list displays all the Rate Types maintained through the 'Rate Type Definition' screen. You can choose the appropriate one. |

- [Preference](#)
This topic describes the systematic instruction to define specific preferences screen.

2.1.1 Preference

This topic describes the systematic instruction to define specific preferences screen.

1. On **Derivative Product Definition**, click **Preferences** to process the Derivatives Product Preferences and to define specific preferences for the product.

The Product Code and Product Type are defaults from the Product Maintenance screen.

Preferences options are available for defining the attributes of a product. The preferences that define for a product are inherited by all derivative contracts that are associated with the product.

The **Derivative Product Preferences** screen is displayed

Figure 2-2 Derivative Product Preferences

The screenshot shows the 'Derivatives Product Preferences' window. At the top, there are input fields for 'Product Code', 'Product Type', 'Product Description', and 'Product Type Description'. Below these are four tabs: 'Main', 'Profit', 'Schedules', and 'Amortization Details'. The 'Main' tab is active and contains radio buttons for 'Contract Type' (Trade, Hedge), 'Deal Type' (Buy, Sell), and a toggle for 'Asset Movement'. The 'Schedules' tab contains a toggle for 'Assuming', radio buttons for 'Principal Settlement Method' and 'Profit Settlement Method' (Automatic, Manual), and a toggle for 'Brokerage Allowed'. The 'Amortization Details' tab contains a toggle for 'Revaluation Required', radio buttons for 'External Revaluation Required' and 'Revaluation Netting Required', and input fields for 'Revaluation Method', 'Revaluation Frequency', 'Revaluation Start Weekday', 'Revaluation Start Day', and 'Revaluation Start Month'. Below the tabs are sections for 'Rekey Fields' (toggles for Rekey Required, In Currency, In Principal Amount, Out Currency, Out Principal Amount, Maturity Date, Value Date), 'External Pricing' (toggle for External Charge), and 'Product Restriction' (radio buttons for Branch Restrictions, Categories List, and Currency Restrictions, each with Disallowed and Allowed options).

2. On **Derivative Product Preferences**, specify the fields and click **Ok**.
For more information on fields, refer to the below table.

Table 2-2 Main Tab - Field Description



| Field | Description |
|--------------------------|--|
| Contract Type | <p>Indicate whether the product for which you are defining preferences is meant for Trade contracts or Hedge contracts.</p> <div style="background-color: #e6f2ff; padding: 10px; border-left: 2px solid #0070c0;"> <p> Note:</p> <p>Its possible to Amend this preference while entering the details of the contract.</p> </div> |
| Deal Type | <p>The first preference defines the derivative product is the Deal Type. Indicate the default nature of deals processed under this product. The choices available for these fields are:</p> <ul style="list-style-type: none"> • Buy • Sell <div style="background-color: #e6f2ff; padding: 10px; border-left: 2px solid #0070c0;"> <p> Note:</p> <p>The deal type that you specify will default to contracts under this product. However, you are allowed to change this while entering the details of the contract.</p> </div> |
| Assuming | <p>Check this box to indicate that the assumed contract is from the counterparty. Uncheck this box if the product is used for a fresh contract.</p> |
| Brokerage Allowed | <p>Specify whether brokerage must be applied to deals involving this product by checking the box. If the brokerage is specified for the product, you can waive it for specific deals. But if you have specified that brokerage is not applicable to the product, it will not be able to levy brokerage on a specific deal involving the product.</p> |

Table 2-2 (Cont.) Main Tab - Field Description


| Field | Description |
|----------------------------|--|
| Rekey Fields | <p>When a derivative contract is processed for authorization- as a crosschecking mechanism, specify that the values of certain fields should be entered before the contract is authorized called the Rekey option. While defining the product, indicate the fields whose values need to specify before an authorized contract. Thus, it becomes mandatory for you to specify the values of rekey fields for all contracts linked to the product.</p> <div style="background-color: #e6f2ff; padding: 10px; border: 1px solid #0070c0;"> <p> Note: It is possible to amend this preference while entering the details of the contract</p> </div> <p>Specify the following as rekey fields:</p> <ul style="list-style-type: none"> • In Currency • Out Currency • Maturity Date • In Principal Amount • Out Principal Amount • Value Date <p>If no rekey fields are defined, the details of the contract are displayed immediately, when the authorizer calls the product for authorization.</p> |
| External Pricing | <p>Specify the fields.</p> |
| External Charge | <p>Check this box to indicate that external charges are fetched from external pricing and billing engine for contracts created under this product.</p> <p>External Charge is enabled only when the system integrates with external pricing and billing engine (PRICING_INTEGRATION = Y at CSTB_PARAM level).</p> |
| Revaluation Details | <p>You may want to revalue your deal portfolio periodically to account for the gains and losses due to changes in the market profit rates or exchange rates.</p> <p>Oracle Banking Treasury provides a feature to revalue the worth of derivative contracts linked to the product based on the Fair Price the Contract Rate or the Bank Rate.</p> |

Table 2-2 (Cont.) Main Tab - Field Description



| Field | Description |
|--------------------------------------|---|
| Revaluation Required | <p>Revalue the worth of contracts associated with the product at regular intervals.</p> <p>Check this box to indicate whether revaluation is required for the defined product.</p> <div data-bbox="740 457 1446 716" style="background-color: #e6f2ff; padding: 10px; border: 1px solid #0070c0;"> <p> Note:</p> <p>At the time of processing a contract if decided that revaluation is not required, then choose to waive this option (even if at the product level you have specified that revaluation is necessary for contracts involving the product).</p> </div> <p>However at the product level, you have specified that revaluation is not required, then while processing the contract you will not be allowed to choose the revaluation option.</p> |
| External Revaluation Required | <p>Select the check box next to the External Revaluation Required, for the revaluation to be done externally.</p> <p>If this field is checked, ensure to set the external revaluation level to either branch level or product level in Derivative Branch Parameter Maintenance.</p> <div data-bbox="740 1045 1446 1245" style="background-color: #e6f2ff; padding: 10px; border: 1px solid #0070c0;"> <p> Note:</p> <p>You can choose either the option Revaluation Required or External Revaluation Required at a time. Both these options cannot be chosen at the same time.</p> </div> |
| Revaluation Netting Required | <p>If indicated that revaluation is required for the product, then indicate whether accounting passed entries is at the leg level or the contract level.</p> <p>Check this box to indicate that revaluation entries should be passed at the contract leg level.</p> |

Table 2-2 (Cont.) Main Tab - Field Description




| Field | Description |
|-------------------------------------|---|
| Revaluation Level and Method | <p>In Oracle Banking Treasury, revaluation entries can be passed either at the product level or at the contract level.</p> <p>After indicating the level for revaluation, indicate the method to be used for revaluation. The options available are:</p> <ul style="list-style-type: none"> • Fair Price • Contract Rate • Branch specific profit Rate <p>The revaluation level and specified method determines how the product is revalued.</p> <div style="background-color: #e6f2ff; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>Each of the above methods explained in detail in the chapter titled Defining Fair Price revaluation methods.</p> </div> |
| Revaluation Frequency | <p>The frequency with which a product must be revalued has to be specified as a product preference. Once you have indicated the level and the method for revaluation, you can specify the frequency with which a product must be revalued.</p> <p>The frequency are one of the following:</p> <ul style="list-style-type: none"> • Daily • Weekly • Monthly • Quarterly • Half Yearly • Yearly <div style="background-color: #e6f2ff; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>If the revaluation date falls on a holiday, the revaluation is done as per your holiday handling specifications in the Branch Parameters screen.</p> </div> |
| Revaluation Start Weekday | <p>In the case of weekly revaluation, specify the day of the week on which revaluation must be carried out. For example, if the revaluation must be carried out every Friday is specified, then the contract or product (depending on the level specified) is revalued every Friday of the week.</p> <div style="background-color: #e6f2ff; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>The specified Revaluation Frequency at the product level cannot be changed while processing the contract.</p> </div> |

Table 2-2 (Cont.) Main Tab - Field Description

| Field | Description |
|---------------------------------|--|
| Revaluation Start Day | <p>In the case of monthly, quarterly, half-yearly or yearly revaluation, specify the date on which the revaluation must be done during the month. For example, if you specify the date as 30, revaluation will be carried out on that day of the month, depending on the frequency.</p> <p>To fix the revaluation date for the last working day of the month, specify the date as 31 and indicate the frequency. If you indicate the frequency as monthly, the revaluation is done at the end of every month - that is, on 31st for months with 31 days, on 30th for months with 30 days and 28th or 29th, as the case may be, for February.</p> <p>If you specify the frequency as quarterly and fix the revaluation date as 31, the revaluation is done on the last day of the month at the end of every quarter. It works similarly for half-yearly and yearly revaluation frequency.</p> |
| Revaluation Start Month | <p>If you set the revaluation frequency as quarterly, half-yearly or yearly, you have to specify the month in which the first revaluation has to begin, besides the date on which the revaluation should be done.</p> <p>For instance, You have selected the half-yearly option and specified the start date as 31 and the start month as of June, the system will do the first revaluation on the 30th of June for the period from 1st January to June 30th, and the second one on 31st December for the period from 1st July to 31st December.</p> |
| Currency Holiday | Select this check box, to execute the currency holiday calendar validation of the dates and movement of schedules. |
| Financial Center Holiday | Select this check box, to execute the financial center holiday calendar validation of the dates and movement of schedules. |
| Local Holiday | Select this check box, to execute the local holiday validation of the date and movement of schedules. |
| Inflation Preferences | Specify the following fields. |
| Inflation Swap | Check this box to indicate that the product type must be Inflation swap. |
| Indexation Type | <p>Select the indexation type from the adjoining drop-down list. The list displays the following values:</p> <ul style="list-style-type: none"> • Inflation Revenue • Zero Coupon • Year on year |

3. On the **Derivatives Product Preferences** screen, click the **Profit Tab**. The **Profit** screen is displayed.

Figure 2-3 Derivatives Product Preferences- Profit

4. On the **Derivatives Product Preferences- Profit** screen, specify the fields, and click **Ok**.

For more information on fields, please refer to the below table..

As part of setting up the product preferences, you have to specify the relevant profit accrual details. The accrual details that you specify will be made applicable to all hedge contracts associated with the product.

Indicate whether profit must be accrued at the product or contract level for hedge deals. The profit accrual specifications must be done for both the inward and outward legs of the contract.

Table 2-3 Profit Field tab- Field Description


| Field | Description |
|--|---|
| Profit Accrual Level | <p>Check the box to indicate whether profit accrual is required for the contract. Leave the box unchecked to indicate that accrual is not applicable.</p> <div style="border: 1px solid #0070C0; background-color: #D9E1F2; padding: 5px; margin: 10px 0;"> <p> Note:</p> <p>Specify the accrual related details individually for the In and Out legs to indicate that profit accrual is required for the contract.</p> </div> <p>Here you can indicate the level at which accrual entries should be passed for the in leg of the contract. The options available are:</p> <ul style="list-style-type: none"> • Product • Contract <p>At the product level, accruals will be passed for the product and currency combination. Those contracts for which accrual is required will be identified by the system and accrual entries will be passed based on the accounting entry set-up defined.</p> |
| profit Accrual Level | <p>Indicates the level at which accrual entries must be passed for the in the leg of the contract. The available options are:</p> <ul style="list-style-type: none"> • Product • Contract <p>At the product level, accruals will be passed for the product and currency combination. Those contracts for which accrual is required will be identified by the system, and accrual entries are passed based on the accounting entry set-up defined.</p> <p>At the contract level, accruals are passed for individual contracts linked to the particular product.</p> |
| In Leg Denominator Basis | <p>Specify the profit accrual rate for the inward leg of the contract as one of the following:</p> <ul style="list-style-type: none"> • Per annum • Per schedule period |
| Out Leg Denominator Basis | <p>Specify the profit accrual rate for the outward leg of the contract as one of the following:</p> <ul style="list-style-type: none"> • Per annum • Per schedule period |
| Allow External Rate Revision | <p>Click the Allow External Rate Revision check-box to indicate that for the contracts linked to this product, you can allow rate revision based on the rates uploaded from an external system.</p> |
| In Leg/Out Leg Profit Accrual Details | <p>The details maintained here are specific to the profit calculation methods to be applied during accruals. Any of the following combinations are allowed for calculating profit:</p> |
| Actual / Actual | <p>Click on Actual in Numerator Method field. Click on Actual in Denominator Method field.</p> <p>The Actual number of days in the period, and the Actual number of days in that year.</p> |

Table 2-3 (Cont.) Profit Field tab- Field Description


| Field | Description |
|---|---|
| Actual / 365 | Click on Actual in Numerator Method field click on 365 days in the Denominator Method field. The number of actual calendar days for which calculation is done or 365 days in a year. |
| Actual – Japanese /Actual | This is similar to the Actual/365 method except that leap days are always ignored in the denominator day count calculation. Click on Actual in the Denominator Method field, click on Actual Japanese in the Numerator Method field. |
| 365 – ISDA / Actual | Sum of (A) and (B) are: A = (profit accrual days falling within the leap year) / 366 B = (profit accrual Days not falling within the leap year) /365 The denominator is the actual number of days in a year. Click on 365 ISDA in Numerator Method field; click on Actual in Denominator Method field. |
| Actual / 360 | Click on Actual in Numerator Method field; click on 360 in Denominator Method field. The actual number of calendar days for which calculation is done / 360 days. |
| The General Formula used for the day count method is described here | Day count fraction = Number of profit Accrual Days/ (Numerator) Days/ in the specified period (Per Annum/Per Period) (Denominator)  Note: Setting the profit Frequency is done in the same manner as setting the Revaluation Frequency. |
| Numerator Method | Select the profit method that should be applied during accrual for in/out leg from the adjoining drop down list. The list displays the following values: <ul style="list-style-type: none"> • 1 • ACT-ISMA • 30-Euro • 30-US • Actual • 30-ISDA • 30-PSA • Actual-Japanese |
| Denominator Method | Select the profit method that should be applied during accrual for in/out leg from the adjoining drop down list. The list displays the following values: <ul style="list-style-type: none"> • 360 • 365 • Actual • 1 • ACT-ICMA |
| Include To Date | Check this box, to take into account on the last day in an accrual period when arriving at the accrual days. |

Table 2-3 (Cont.) Profit Field tab- Field Description

| Field | Description |
|--|---|
| In Leg/Out Leg Profit Liquidation Details | Specify the fields: |
| Numerator Method | Select the profit method that should be applied for liquidation for in/out leg from the adjoining drop down list. The list displays the following values: <ul style="list-style-type: none"> • 1 • ACT-ISMA • 30-Euro • 30-US • Actual • 30-ISDA • 30-PSA • Actual-Japanese |
| Denominator Method | Select the profit method that should be applied for liquidation for in/out leg from the adjoining drop down list. The list displays the following values: <ul style="list-style-type: none"> • 360 • 365 • Actual • 1 • ACT-ICMA |

- Once you authorize the deal at the contract level, no changes will be allowed at the deal level for contract.
- On the **Derivatives Product Preferences** screen, click the **Schedules** Tab
The **Schedules** screen is displayed.

- On the **Schedules** screen, specify the fields, and click **Ok**.

For more information on fields, please refer to the below table.

The schedule preferences for each of these components have to be defined separately for both the In and Out legs. Click the Schedules tab in the Product Preferences screen.

Specify the profit accrual preferences you have to indicate the repayment schedules for the following components:

- Principal (Repayment of principal schedules)
- Profit (Repayment of profit schedules)
- Revision of profit rates for a contract with periodic profit rates

Table 2-4 Product Schedule Details - Field Description

| Field | Description |
|------------------------|---|
| Component | Specify the component for which you are defining the schedule. |
| Leg Type | Indicates whether the component displayed is an In leg component or an Out leg component. |
| Schedule Method | Indicates the schedule type to which the component belongs. The component belongs to any one of the following types: <ul style="list-style-type: none"> • Principal (Repayment of principal schedules) • Profit (Repayment of profit schedules) • Revision of profit rates for a contract with periodic profit rates • Principal Reset: Identifies the schedule method as principal reset |
| Start Reference | The reference date is the date based on which the repayment schedules for the various components (Principal, profit, Revision) is calculated. Specify the scheduled start period must either be based on the Value Date of the contract or that it must be based on a Calendar Date. If you specify that the reference should be the Value Date the dates for scheduled repayment dates will be determined by the date of initiation of the contract and the frequency that you specify. If the Reference is specified as Calendar Date, the dates for scheduled repayments are based on the Start Day, Month, and Frequency combination. |

Table 2-4 (Cont.) Product Schedule Details - Field Description


| Field | Description |
|-----------------------|--|
| Frequency | <p>The frequency of schedules that you specify along with the Start Reference and the Frequency Unit will determine the actual repayment schedules for the particular component.</p> <p>By default, the frequency will be Bullet, which means that all the repayments are made on the maturity date of the contract.</p> <p>Change the frequency to any one of the following options:</p> <ul style="list-style-type: none"> • Daily • Weekly • Monthly • Quarterly • Half-yearly • Yearly <div style="border: 1px solid #0070C0; padding: 5px; margin-top: 10px;"> <p> Note:</p> <p>If the Reference is set as the Value Date, the repayment dates will be calculated using the Value Date, the frequency, and the Unit of Frequency. If the Reference is set as Calendar Date, the repayment dates will be calculated based on the Frequency, Unit of Frequency, Start Month, and the specified Start Day.</p> </div> |
| Frequency Unit | <p>Specify the frequency to indicate the unit of frequency to set the Frequency, the Component, (the Principal, Pnterest or Revision component) and Start Reference combination.</p> <p>For example, Scenario 1</p> <ul style="list-style-type: none"> • You have indicated that the schedule liquidation should be based on the Calendar Date in the Start Reference field. Subsequently, you indicate that liquidations should happen on every 25th of the month. • The Effective Date or the Value Date of the contract is 12th March 2000. Regardless of the effective date, the first liquidation will be carried out on the 25th of March. • Since you want this process to continue i.e., liquidations should be carried out on the 25th of every month till the contract matures. Therefore you need to specify the frequency as Monthly and enter 1 in Unit field. • Schedules will be repaid once in every month on the 25th till the contract matures. <p>Scenario 2</p> <ul style="list-style-type: none"> • You have indicated that liquidation of schedules should be based on the Value Date and specify that the frequency for liquidation as Monthly. Next, you specify that the frequency unit should be 2. • The schedules will be liquidated once in every two months since the frequency unit is 2. |

Table 2-4 (Cont.) Product Schedule Details - Field Description

| Field | Description |
|-------------------------------|---|
| Schedule Start Weekday | <p>When the repayment schedule frequency is set Weekly, indicate the day of the week on which liquidation must be carried out.</p> <p>For instance, if you indicate the weekday preference as Wednesday, then liquidation will be carried out every week on every Wednesday.</p> |
| Schedule Start Day | <p>When the Start Reference is set as Calendar Date, indicate the date on which the schedule is due to start. For instance, if the frequency specified is daily, set the date on which the first daily schedule should fall due.</p> <p>When the frequency monthly indicates the day of the month, in which the liquidation should fall due, the scheduled repayment dates are computed using the Frequency, the Unit, (Start) Month and the specified (Start) Day.</p> |
| Schedule Start Month | <p>If you have set the Reference as Calendar Date, and the frequency as quarterly, half-yearly or annual, you can indicate the month in which the first schedule falls due. Based on your specifications, the subsequent schedule dates will be calculated.</p> |
| Adhere to Month End | <p>If the schedule frequency is in terms of a month, you choose to indicate that the schedule days must adhere to Month- Ends. The implication of this option is explained in the following example.</p> <p>For example, during defining preferences for a derivative product. You would like to maintain several derivatives under this product. We study the impact of the Adhere to Month End option regarding a derivative maintained under the Product.</p> <p>Assume the Effective Date of the contract (with floating profit) is 01 January 2000, and the Maturity Date is 31 December 2000.</p> <p>You have specified that the principal schedule frequency is quarterly. If you choose the Adhere to Month End option, the schedules for this derivative would be due on the following dates:</p> <ul style="list-style-type: none"> • 31 March 2000 • 30 June 2000 • 30 September 2000 • 31 December 2000 <p>If you do not choose the Adhere to Month End option, the schedules for this derivative would be due on the following dates:</p> <ul style="list-style-type: none"> • 31 March 2000 • 30 June 2000 • 30 September 2000 • 30 December 2000 <p>The schedule dates for all derivatives maintained under the product is calculated similarly.</p> |

8. On the **Derivatives Product Preferences** screen, click **Amortization Details** Tab. The **Amortization** is displayed.

Figure 2-4 Amortization

9. On **Amortization** screen, specify the fields, and click **Ok**.

For more information on fields, refer to the below table.

The Product Code and Product Type are by default from the Product Maintenance screen. In this screen, specify the following:

Table 2-5 Amortization Details - Field Description

| Field | Description |
|--|---|
| Amortization of Inception/Termination Gain Required | <p>Indicates whether inception/termination gain requires amortization. Check the respective box to indicate that amortization is required for inception/termination gain. Uncheck if amortization is not required.</p> <div style="border: 1px solid blue; background-color: #e6f2ff; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>If you choose these options, then amortization of inception/termination gain will be made applicable to all contracts associated with the product. You can, however, change it while entering the details of the contract. But if you indicate that amortization is not required, then you will not be allowed to change this preference while processing the contract.</p> </div> |

Table 2-5 (Cont.) Amortization Details - Field Description


| Field | Description |
|---|---|
| Amortization of Inception/ Termination Loss Required | <p>Indicates whether inception/termination loss requires amortization. Check the respective box to indicate that amortization is required for inception/termination gain. Uncheck if amortization is not required.</p> <div style="border: 1px solid #0070C0; background-color: #E6F2FF; padding: 10px;"> <p> Note:</p> <p>If you choose these options, then amortization of inception/termination loss will be made applicable all contracts associated with the product. You can however change it while entering the details of the contract.</p> <p>At the time of inception, Gain or Loss is distributed throughout the period from Effective Date to Maturity Date of the contract.</p> <p>At the time of termination, Gain or Loss is distributed throughout the period from Termination Date to Maturity Date of the contract.</p> <p>In case of Termination Gain/Loss, system amortizes from the Termination Date to the Maturity Date of the contract; Whereas, in case of Inception Gain/Loss, system amortizes from the Effective Date to the Maturity Date of the contract.</p> </div> |
| Amortization Level | <p>Indicate the level at which the amortization entries for inception/termination gain and/or loss should be passed. The options available are:</p> <ul style="list-style-type: none"> • Product • Contract <p>At the product level, amortization entries will be passed for the product and currency combination. The system identifies those contracts, which need to be amortized for inception gain and/or loss and passes accounting entries based on the set-up defined for accounting entries.</p> <p>At the contract level inception gain/loss amortization entries will be passed for individual contracts linked to the particular product.</p> |
| Amortization Frequency | <p>Indicate the amortization level for gain and loss of contract inception and termination, you have to specify the frequency at which amortization should take place.</p> <p>The frequency can be one of the following:</p> <ul style="list-style-type: none"> • Daily • Weekly • Monthly • Quarterly • Half yearly • Yearly |
| Amortization Start Weekday | <p>In the case of weekly accrual, you should specify the day of the week on which profit accruals should be carried out. For instance if you specify that accruals should be carried out every Friday, then the contract or product (depending on the level specified) will be accrued on every Friday of the week.</p> |

Table 2-5 (Cont.) Amortization Details - Field Description

| Field | Description |
|---------------------------------|--|
| Amortization Start Day | <p>In the case of monthly, quarterly, half yearly or yearly amortization, you should specify the date on which the amortization should be done during the month. For example, if you specify the date as 30, amortization will be carried out on that day of the month, depending on the frequency.</p> <p>If you want to fix the amortization date for the last working day of the month, you should specify the date as 31 and indicate the frequency. If you indicate the frequency as monthly, the amortization will be done at the end of every month - that is, on 31st for months with 31 days, on 30th for months with 30 days and on 28th or 29th, as the case may be, for February.</p> <p>Specify the frequency as quarterly and fix the amortization date as 31, amortization will be done on the last day of the month at the end of every quarter. It works similarly for half-yearly and yearly amortization frequency.</p> <p>If the amortization date falls on a holiday, the amortization is done as per your holiday handling specifications in the Branch Parameters screen.</p> |
| Amortization Start Month | <p>If the amortization frequency is set to quarterly, half yearly or yearly, specify the month in which the first amortization has to begin, besides the date on which the amortization must be done.</p> <p>For example, if the half-yearly option is selected, and specified the start date as 31 and the start month as June.</p> <p>The system process the first amortization on the 30 of June for the period from January 1 to 30th June. The second one is done on the 31st of December for the period from 1st July to 31st December.</p> |

2.2 View Product Summary Details

This topic provides systematic instruction to view the Islamic derivatives products summary details.

You can view the details of all Islamic Derivative products maintained in the system.

1. On the Home page, type **IDSPRMNT** in the text box, and click the next arrow.

The **Islamic Derivatives Product Summary** screen is displayed.

Figure 2-5 Islamic Derivatives Product Summary

Islamic Derivatives Product Summary

Search Advanced Search Reset Clear All Records per page 15

Search (Case Sensitive)

Authorization Status Record Status Product Code
Product Description End Date Product Group
Start Date Product Type

Search Results Lock Columns 0

| Authorization Status | Record Status | Product Code | Product Description | End Date | Product Group | Start Date | Product Type |
|----------------------|---------------|--------------|---------------------|----------|---------------|------------|--------------|
| No data to display. | | | | | | | |

Page 1 of 1 |< >|

Exit

2. On the **Islamic Derivatives Product Summary** screen, click the **Search** button.

The system displays the records based on the selected search criteria.

You can search the records based on the following criteria:

- Authorization Status
- Record Status
- Product Code
- Product Description
- End Date
- Product Group
- Start Date
- Product Type

3

Define the Fair Price Revaluation Methods

Revaluation is used to revalue all active trade deals based on the revaluation frequency parameters that you specify in the Preferences while defining products. Since the market rates are constantly in a state of flux you may wish to revalue the worth of all active trade deals periodically.

In the Oracle Banking Treasury Management, you can revalue the worth of contracts by using either one of the following methods.

- Maintaining Contract Fair Prices whereby you have to indicate the fair price of individual contracts, which will be used for revaluation.
- Maintaining Branch Profit Rates whereby you can maintain branch level forward profit rates, which will determine the fair price to be used for revaluation.
- Maintaining Contract Profit Rates whereby you maintain contract specific forward profit rates which will determine the fair price to be used for revaluation.

Your preference for revaluing contracts linked to the particular product will be defaulted to all the contracts linked to that product. However you can change this preference at the time processing the contract. Each of these revaluation methods have been explained in detail in the following sections.

This topic has the following sub-topics:

- [Maintain Fair Values for Revaluing a Contract](#)
This topic provides the systematic instruction to maintain fair values for revaluing a contract.
- [Maintain Branch wise Forward Profit Rates](#)
This topic provides systematic instruction to maintain branch wise forward profit rates.
- [Maintain Contract Specific Forward Profit Rates for Revaluation](#)
This topic provides the systematic instruction to maintain contract specific forward profit rates for a particular contract. You can revalue those contracts whose fair price needs to be determined based on the forward profit rates.

3.1 Maintain Fair Values for Revaluing a Contract

This topic provides the systematic instruction to maintain fair values for revaluing a contract.

Specify User ID and Password, and login to Homepage.

If you have indicated that a particular contract should be revalued based on the contract fair price the system automatically inserts a record in the 'Revaluation Contract Fair Price Maintenance' screen for that contract. This is done during the Beginning of Day batch process based on the revaluation frequency specified at the product level.

This concept can be explained with the help of an example:

For example You have set the revaluation frequency of the contract bearing the reference number 000DV21992950177 to monthly. The first revaluation was done on 1st January 2000. The next is due on the 1st of February 2000.

On the 1st of February 2000 the system automatically inserts another record in the Contract Fair Price Maintenance screen for the contract 000DV21992950177. You have to unlock the record, enter the in/out leg values and the net fair value of the contract.

1. On the Home Page, type **IDDCNVAL** in the text field, and click next arrow.
 The **Islamic Derivatives Contract Fair Values** screen is displayed.

Figure 3-1 Islamic Derivatives Revaluation Contract Fair Values

2. On the **Actions** menu, click **New**.
 You can change the revaluation frequency of a specific contract.
 The **Islamic Derivatives Revaluation Contract Fair Value** screen is displayed.
 For more information on the fields, refer to the following field description table:

Table 3-1 Islamic Derivatives Product Definition

| Field | Description |
|------------------------------------|---|
| Contract Reference Number | Select the reference number of contract whose revaluation frequency is to be changed. This field is mandatory. |
| User Reference | The system displays the user reference once the reference number is selected. This field is optional. |
| Revaluation Date | Enter the Revaluation Date using the calendar icon. This field is mandatory. |
| Transaction Date | The system displays the transaction date. This field is optional. |
| In Leg Revaluation Currency | The system displays In Leg Revaluation Currency. This field is optional. |
| Out Revaluation Currency | The system displays Out Revaluation Currency. This field is optional. |
| In Leg Fair Value | Specify the in leg fair value. This field is optional. |
| Out Fair Value | Specify the out leg fair values. This field is optional. |

Table 3-1 (Cont.) Islamic Derivatives Product Definition

| Field | Description |
|---------------------------------|---|
| Net Fair Value | Indicate the net fair value of the contract as of the revaluation date. The value that you enter includes the effect of the in leg and out leg of the contract. When the currencies of both the in and out leg of the contract are the same you have to calculate the net fair value of the contract by deducting the out leg amount from the in leg amount. Example: The Fair Value in the In Leg field amounts to USD 1,000,000.00 The Fair Value in the Out Leg field amounts to USD 500,000.000 Since both the values are in the same currency, USD 500,000.000 deducted from USD 1,000,000.00 amounts to USD 500,000.000. Thus you can enter USD 500,000.000 as the Net Fair Value. Supposing the currencies of both the legs of the contract are different then the Base Currency specified at the time of Contract Input will be the accepted as the default currency for the Net Fair Value. You have to compute the Net Fair value using the existing exchange rates. After indicating the respective values you must indicate your confirmation of the same. Only confirmed records will be picked up and processed for revaluation by the End of Day batch process. This field is optional. |
| Net Revaluation Currency | Indicates the currency of net revaluation. |
| Profit Revision | Choose either Auto or Manual option. This field is optional. |
| Confirmation Date | Select the Confirmation Date in YYYY-MM-DD format. |

3. On the menu, click the Unlock icon.
4. Specify the in and out leg values, and compute the new net fair value and save the record.

During bulk upload of these fair values for multiple contracts, Oracle Banking Treasury Management expects the following information to be present in the upload message:

- Contract Reference No.
- Effective Date
- InLeg Value
- OutLeg Value

If any of these values is missing for any record, the system will terminate the upload process and raise an error message as, "Net Fair value will be defaulted from Inleg and Outleg fair values." The single record and bulk record uploads requests are handled in bulk requests itself for the following:

- DV Fair Value
- DV Rate Revision

The system will also raise an error if:

- Contract Reference Number is not valid
- Duplicate record exists for the Contract Reference Number and Effective date combination.

- Revaluation date is greater than the application date

You can run the fair value upload process any time before the IDV batch is processed during the day. During the IDV batch, contract revaluation will be done based on the fair value uploaded.

5. On the **Islamic Derivative Revaluation Contract Rates Summary** screen, double-click a record of your choice to open it.

You can view the record details in the **Islamic Derivatives Revaluation Contract Fair Values** screen by opening existing contract price maintenance record.

Figure 3-2 Islamic Derivatives Revaluation Contract Fair Values Summary

- [Operations on the Contract Fair Price Maintenance record](#)
This topic provides systematic instructions about the operations that you can perform on the contract fair price maintenance record.

3.1.1 Operations on the Contract Fair Price Maintenance record

This topic provides systematic instructions about the operations that you can perform on the contract fair price maintenance record.

Apart from maintaining a new fair price for a particular contract you can perform any of the following operations (if any function under the Actions Menu is disabled, it means that the function is not allowed for the record) on an existing record.

- Amend the details of a record
- Authorize a record

Refer to the Oracle Banking Treasury Management User Manual on Common Procedures for details of these operations.

3.2 Maintain Branch wise Forward Profit Rates

This topic provides systematic instruction to maintain branch wise forward profit rates.

Specify User ID and Password, and login to Homepage.


Branch level maintenance of forward profit rates is necessary for revaluing the contracts which have indicated that revaluation is according to the Branch Rates.

Oracle Banking Treasury Management identifies those contracts, which are to be revalued according to the forward profit rates maintained at the branch level and creates records in the Revaluation Branch Profit Rates screen based on the revaluation date. You have to unlock each record and indicate appropriate profit rates for specific profit periods.

If you are calling a branch profit rate record that has already been defined, choose the Summary option under Branch Rates. From the 'Summary' screen double click a record of your choice to open it.

To modify or update existing profit rates click the 'Unlock' icon from the tool bar or choose Unlock from the menu. After indicating the new profit rate, the currency of the profit rate and the period for which the new rate is valid, save the record. After indicating the new profit rate, the currency of the profit rate and the period for which the new rate is valid, save the record.

1. On the Homepage, type DVDBRRAT in the text box, and click next arrow.
The Derivatives Revaluation Branch Interest Rates screen is displayed.

 **Note:**

The advantage in maintaining branch-wise profit rates is that when there are multiple contracts which require the same rate(s) for processing revaluation (the tenor and currency combination should be the same) the BOD function identifies all the required rates and inserts a single record into this screen.

Figure 3-3 Derivatives Revaluation Branch Interest Rates

2. On the Actions menu, click New icon.
You can maintain details of new profit rate for your branch.
The **Branch Profit Rates Maintenance** screen is displayed without any details.

Table 3-2 Derivatives Revaluation Branch Interest Rates

| Field | Description |
|----------------------------------|---|
| Rate Code and Rate Source | <p>If you are maintaining the details of a new profit rate for your branch you have to indicate the rate code that is to be associated with the profit rate. You can identify a valid code from the list of rate codes available. Subsequently you also have to indicate the source to which the rate code belongs.</p> <p>When you indicate the codes linked to the rate code and source the description assigned to them is defaulted in the adjacent fields.</p> <p>This field is mandatory.</p> |

Table 3-2 (Cont.) Derivatives Revaluation Branch Interest Rates



| Field | Description |
|----------------------------------|---|
| Revaluation Date | <p>Select the Revaluation Date by clicking the calendar icon.</p> <p>All those contracts, which should be revalued as per the profit rates maintained at the branch level, will be revalued as of the revaluation date. While maintaining details of a new profit rate you have to indicate the date based on which contracts should be revalued.</p> <p>This field is mandatory.</p> |
| Profit Revision | <p>Click either Auto or Manual. The system revises profit rates automatically when the daily batch for derivatives is run using the Branch specific Profit rate revaluation method.</p> <p>This field is optional.</p> |
| Confirmation | <p>Select the Confirmation check box to confirm that the profit rate entered is correct. The current system date is displayed in the Date field once you select the check box.</p> <div data-bbox="740 760 1451 940" style="border: 1px solid #0070C0; background-color: #E6F2FF; padding: 10px; margin: 10px 0;"> <p> Note:</p> <p>If you leave this box unchecked then this record will not be taken up for revaluation processing.</p> </div> <p>This field is optional.</p> |
| Rate Details | <p>The system identifies the currency and tenor of forward rates required for each revaluation date, on the Revaluation Date only those contracts with the particular Rate Code, Rate Source and Currency combination will be considered for revaluation.</p> <p>This field is optional.</p> |
| Currency Code | <p>Choose the currency in which you want to maintain the Profit Rate.</p> <div data-bbox="740 1255 1451 1465" style="border: 1px solid #0070C0; background-color: #E6F2FF; padding: 10px; margin: 10px 0;"> <p> Note:</p> <p>Once you select the Currency Code, the currency description is displayed automatically in the Currency Description field.</p> </div> <p>This field is mandatory.</p> |
| Period Start and End Date | <p>Specify the start and end dates for the interest rate you are defining.</p> <p>This field is mandatory.</p> |

Table 3-2 (Cont.) Derivatives Revaluation Branch Interest Rates

| Field | Description |
|--------------------|--|
| Profit Rate | <p>Specify the profit rate for the particular rate code. The profit rate that you specify here is meant for your branch and is used to determine the Fair Value of all those contracts for which you have indicated that branch level profit rates are to be used for revaluation.</p> <p>Revaluation is done for only those contracts with the particular Rate Code, Rate Source and Currency combination for the particular Revaluation Date.</p> <p>To define a new forward profit rate for a specific profit period, click add button from the screen and enter the relevant details. To delete an existing rate, highlight the rate and click on delete button from the screen.</p> |

- [Operations on the Branch wise Forward Profit Rate Maintenance Record](#)
This topic provides systematic instruction about the operations that you can perform on an existing record to maintain a new forward profit rate.
- [View Branch Rates Summary Details](#)
This topic provides systematic instruction to view details of all Branch Rates maintained in the system.

3.2.1 Operations on the Branch wise Forward Profit Rate Maintenance Record

This topic provides systematic instruction about the operations that you can perform on an existing record to maintain a new forward profit rate.

You can perform any of the following operations (if any function under the Actions Menu is disabled, it means that the function is not allowed for the record) on an existing record.

- Amend the details of a record
- Authorize a record

Refer to the Oracle Banking Treasury Management User Manual on Common Procedures for details of these operations.

3.2.2 View Branch Rates Summary Details

This topic provides systematic instruction to view details of all Branch Rates maintained in the system.

Specify User ID and Password, and login to Homepage.

You can search on records from the summary screen.

1. On the Home page, type **DVSBRRAT** in the text field, and click next arrow.

You can search the records based on the following criteria:

- **Authorization Status**
- **Rate Code**
- **Profit Revision**
- **Revaluation Date**

- **Record Status**
- **Rate Source**
- **Transaction Date**
- **Confirmed**

The **Branch Rate Summary** screen is displayed.

2. Click the **Search** button.

The system display records based on the criteria selected.

3.3 Maintain Contract Specific Forward Profit Rates for Revaluation

This topic provides the systematic instruction to maintain contract specific forward profit rates for a particular contract. You can revalue those contracts whose fair price needs to be determined based on the forward profit rates.

The system creates and stores records in the Contract Profit Rates Maintenance screen for those contracts whose fair price is to be determined based on the forward profit rates maintained for the contract.

1. On the Homepage, type **IDDCNRAT** in the text box, and click next arrow.

The **Islamic Derivatives Revaluation Contract Rates** screen is displayed.

Figure 3-4 Islamic Derivatives Revaluation Contract Rates

Note:

For more information on the fields, refer to the table reference given below.

Table 3-3 Islamic Derivative Revaluation Contract Rates



| Field | Description |
|---|--|
| Contract Reference | Select the Contract Reference from the option list. This field is mandatory. |
| Revaluation Date | Select the Revaluation Date by clicking the calendar icon. This field is mandatory. |
| Transaction Date | The system displays the Transaction Date. This field is optional. |
| User Reference | The system displays the user reference. This field is optional. |
| Rate Code | The system displays the rate code. This field is optional. |
| Rate Source | The system displays the rate source. This field is optional. |
| Profit Revision | Click either Auto or Manual. The system revises profit rates automatically when the daily batch for derivatives is run using the Branch specific Profit rate revaluation method. This field is optional. |
| Confirmation | Select the Confirmation check box to confirm that the profit rate entered is correct. The current system date is displayed in the Date field once you select the check box. This field is optional. |
| Currency Code | Choose the currency for which you want to maintain the Profit Rate. This field is mandatory. <div style="border-left: 2px solid #0070C0; border-right: 2px solid #0070C0; border-bottom: 2px solid #0070C0; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>Once you select the Currency Code, the currency description is displayed automatically in the Currency Description field.</p> </div> |
| Profit Period Start and End Date | Specify the profit period start and end dates for the profits rate you are defining. These fields are mandatory. |

Table 3-3 (Cont.) Islamic Derivative Revaluation Contract Rates

| Field | Description |
|--------------------|--|
| Profit Rate | <p>Enter the profit rate for the particular rate code. The profit rate that you specify here is meant for your branch and is used to determine the Fair Value of all those contracts for which you have indicated that branch level profit rates are to be used for revaluation. Revaluation is done for only those contracts with the particular Rate Code, Rate Source and Currency combination for the particular Revaluation Date.</p> <div style="border: 1px solid #0070C0; padding: 5px; background-color: #E6F2FF;"> <p> Note:</p> <p>To define a new contract rate details record, click add button from the screen and enter the relevant details. To delete an existing contract rate details, click on delete button from the screen.</p> </div> |

2. On the **Contract Summary** screen, double-click the record of your choice to open it.
3. On the Actions menu, select **Unlock**.
Enter the profit rate required for each contract and confirm it.
4. On the **Actions** menu, click New.
 - [Operations on the Contract Specific Forward Profit Rate Maintenance Record](#)

3.3.1 Operations on the Contract Specific Forward Profit Rate Maintenance Record

This topic describes the operations you can perform on the contract specific forward profit rate maintenance record.

- Amend the details of a record
- Authorize a record

Refer to the Oracle Banking Treasury Management User Manual on *Common Procedures* for details of these operations.

4

Process an Islamic Derivatives Contract

This topic describes how you can maintain the basic information that is necessary for the successful functioning of the module. It includes the maintenance of the following:

- Derivative Types
- Bank and Branch Parameter details
- Revaluation details
- Messaging party details
- Counter Party details
- Profit, Tax and Charge class details

The next step in the process is the creation of products for the Islamic Derivatives module. You can group or categorize contracts, which share broad similarities. You have to associate a derivative type with each of the products that you create. Thus the product inherits all the attributes of the type. You can associate the various profit, charge and tax classes with the product. Under each product that you define, enter specific contracts for this module. By default, a contract inherits the attributes of the product to which it is associated. This means that you do not have to define the attributes that default from the product every time you input a contract involving the product. You can change some of the attributes applicable to the product that you are defining.

This topic has the following sections:

- [Maintain the Islamic Derivative Contract Detailed](#)
This topic provides the systematic instruction to maintain the Islamic Derivative Contract Detailed.
- [Reassign contract to another user](#)
This topic describes the systematic instruction to reassign topics to another user.
- [ISDA Confirmation](#)
This topic describes the details to capture the confirmation check for derivative deal events.

4.1 Maintain the Islamic Derivative Contract Detailed

This topic provides the systematic instruction to maintain the Islamic Derivative Contract Detailed.

Specify the basic information about the Islamic derivative contract detailed. You can process all types of derivative contracts.

1. On the Homepage, type **IDDTRONL** in the text box, and click the next arrow.
The **Islamic Derivatives Contract Detailed** screen is displayed.

Figure 4-1 Islamic Derivatives Contract Detailed

The screenshot shows the 'Islamic Derivatives Contract Detailed' application window. The interface is organized into a grid of sections:

- Top Section:** Includes 'Product', 'Product Description', 'Swaption Reference', 'Reference Number *', 'User Reference', 'External Reference', 'Reversed Reference', 'Version Number' (with 'Previous' and 'Next' buttons), 'Source Code' (set to 'FLEXCUBE'), 'Type', and 'Type Description'.
- Main Section:** Contains 'Counterparty', 'Description', 'Settlement Account Branch', 'Account', and 'Contract Type' (with radio buttons for 'Hedge' and 'Trade').
- Detail Section:** Includes 'Trade Date *', 'Booking Date *', 'Value Date *', 'Maturity Date *', and 'Buy or Sell' (with radio buttons for 'Buy' and 'Sell').
- Additional Section:** Features 'Liquidate Past Schedules' (checkbox), 'Broker', 'Dealer', 'Exchange Rate', and 'Remarks' (with a 'Default' button).
- In Leg Section:** Contains 'In Leg Currency', 'Account Description', 'In Principal Amount *', and 'In Traded Id'.
- Out Leg Section:** Includes 'Out Leg Currency', 'Description', 'Out Principal Amount *', 'Out Traded Id', and another 'Description' and 'Out Principal Amount *' field.
- Rate Fields:** Multiple sections for 'Rate Type', 'Rate Source', and 'Rate' are present, along with 'Rate Code', 'Tenor Code', 'Spread', and 'Flat Amount' fields.
- Bottom Navigation Bar:** A row of buttons for 'Event', 'Brokerage', 'Settlements', 'Advice', 'Charges', 'Tax', 'MIS', 'Fields', 'Principal', 'Profit', 'Sub Agreement', 'Commodity Tracking', 'Audit', and 'Exit'.

2. On the **Islamic Derivative Contract Detailed** screen, specify the fields and click **Ok**.

You can capture information specific to a contract which is linked to a product. For more information on fields, refer to the below table.

Table 4-1 Islamic Derivatives Contract Detailed - Field Description

| Field | Description |
|---------------------------|--|
| Product | <p>Select a Product from the option list available in the Product field. You can enter the details of a contract using a derivative product. Based on the type of contract you are entering, you can select a product from the option list available at the Product field.</p> <p>Once you link a product with a contract, the attributes defined for the product and consequently the derivative type associated with the product will be inherited by the contract automatically. You are allowed to change a few of these details such as revaluation details, the in and out leg profit details, before saving the contract.</p> <p>This field is mandatory.</p> |
| Reference Number | <p>In Oracle Banking Treasury Management, the system generates the reference numbers sequentially and automatically. This number tag is used to identify the 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-digit 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:</p> <p>'YYDDD'</p> <p>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.</p> <p>This field is mandatory.</p> |
| User Reference | <p>You can enter a reference number for the contract. A 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 Number generated by the system will be taken as the User Reference No.</p> <p>The field is optional.</p> |
| External Reference | <p>If the transaction is being uploaded from an external source, you can specify the identification for the transaction in the external source, as the external reference number.</p> <p>This field is optional.</p> |
| Reversed Reference | <p>The reference number of the contract that is being reversed and re-booked is displayed here.</p> <p>This field is optional.</p> |
| Source Code | <p>Indicate the source from which contracts have to be uploaded.</p> <p>This field is optional.</p> |
| Type | <p>The type of derivative is defaulted once you select the product.</p> <p>This field is optional.</p> |
| Type Description | <p>This is the description associated with the derivative type.</p> <p>This field is optional.</p> |

Islamic Derivative Contract Detailed screen contains a header, footer, and a body of fields that capture information specific to the contract that you are maintaining. You need to capture these details in addition to the attributes that the contract acquires as a result of being linked to the product. The body of fields, in this screen, is divided into two tabs. Firstly, you need to capture the main details of the derivative contract such as the

Contract Type, Counterparty and the In and Out Leg profit and principal details. Specify the Contract Principal Schedules for both the in and out legs separately by clicking Principal button.

Click **Profit** button to indicate the profit details for both the legs of the contract.

Click **Commodity** button to track the commodity details for both the legs of the contract. Capture additional information relating to the derivative such as the Revaluation details, Inception and Termination details and so on by moving to the Detail tab. Besides the existing fields in the **Islamic Derivatives Contract Detailed** screen, you will also notice a horizontal array of buttons. Clicking on a button launches a screen that captures details specific to an attribute, Settlement Message details. These buttons are briefly described in the following table:

Table 4-2 Islamic Derivative Contract Detailed Buttons

| Field | Description |
|---------------------------|---|
| Event | View details of the events and accounting entries that the contract involves. The screen also displays the overrides that were encountered for the contract. For more information, refer Events user manual under Modularity. |
| Brokerage | Indicates the brokerage details applicable to the contract. For more information, refer Brokerage user manual under Modularity. |
| Settlements | The contract will be settled based on the details you enter in the Settlement screens. For more information, refer Settlements user manual under Modularity. |
| Advice | Enter the leg advices. You can view suppress and prioritize the advices that are to be generated for each leg of the transaction. |
| Charges | You can process the charge service of Oracle Banking Treasury Management. You can specify charge rate, amount, and the waive charge parameters in the Charge Details screen. For more information, refer <i>Charges user manual</i> under Modularity. |
| Tax | The application of tax on a deal is discussed under the head Levying tax on a contract. For more information, refer <i>Tax user manual</i> under Modularity. |
| MIS | Specify the transaction MIS details. For more information, refer <i>MIS user manual</i> under Core. |
| Fields | Indicate the user-defined fields for which information needs to be captured. For more information, refer Fields user manual under Modularity. |
| Principal | View the principal schedule details for the in and out legs of the contract. This is possible only if you have specified so for the derivative type linked to the contract. |
| Profit | Click the Profit. On the Islamic Derivatives Contract Profit Details, enter Main details. |
| Sub Agreement | You can either choose to link the sub agreement to the master agreement or choose to link it at a future point in time. |
| Commodity Tracking | You can maintain principal and profit schedules for the in and out legs of the contract. |

3. On the **Islamic Derivatives Contract Summary** screen, double-click to open an existing deal. The details of all the contracts that you entered is displayed in a tabular format.
4. On the **Islamic Derivatives Contract Detailed** screen, click the **Main Details** tab.
The **Islamic Derivatives Contract Detailed - Main Details** is displayed.

Figure 4-2 Islamic Derivatives Contract Detailed - Main Details

The screenshot displays the 'Islamic Derivatives Contract Detailed - Main Details' form. At the top, there are buttons for 'New' and 'Enter Query'. The form is organized into several panels:

- Product:** Fields for Product, Product Description, and Swapion Reference.
- Reference Number:** Fields for Reference Number, User Reference, External Reference, and Reversed Reference.
- Version Number:** Fields for Version Number, Source Code (set to FLEXCUBE), Type, and Type Description.
- Main:** Fields for Counterparty, Description, Settlement Account Branch, Account, and Contract Type (Hedge or Trade).
- Detail:** Fields for Trade Date, Booking Date, Value Date, Maturity Date, and Buy or Sell (Buy or Sell).
- Additional:** Fields for Rate Type, Rate Source, and Rate.
- Termination:** Fields for Liquidate Past Schedules, Broker, Dealer, Exchange Rate, and Remarks.
- In Leg:** Fields for In Leg Currency, Account Description, In Principal Amount, and In Traded Id.
- Out Leg:** Fields for Out Leg Currency, Description, Out Principal Amount, Out Traded Id, and Rate.

At the bottom, a navigation bar contains buttons for: Event, Brokerage, Settlements, Advice, Charges, Tax, MIS, Fields, Principal, Profit, Sub Agreement, Commodity Tracking, Audit, and Exit.

For more information on the fields, refer to the below table.

Table 4-3 Islamic Derivatives Contract Detailed Main - Field Description


| Field | Description |
|----------------------------------|---|
| Counter Party | <p>Select the Counter Party from the option list.</p> <p>Specify the customer with whom the derivative contract is being entered into while entering the details of a contract. Specify the code of an authorized customer who falls into a category allowed for the product linked to the contract.</p> <p>This field is optional.</p> |
| Settlement Account Branch | <p>Select the Branch Code from the option list.</p> <p>You might want to settle these components in an account existing at a branch other than the one where the contract was initiated. Therefore you have to indicate the branch code of the branch where the account resides. Subsequently indicate the account number of the settlement account.</p> <p>If Settlement Instructions have been defined for the customer, the settlement accounts will be picked up from those instructions. While entering the details of the contract, you can change the Settlement Instructions for the derivative contract.</p> <div data-bbox="716 842 1377 1192" style="border: 1px solid #0070C0; background-color: #E6F2FF; padding: 10px; margin: 10px 0;"> <p> Note:</p> <p>If a settlement account has been specified in the settlement instructions for the customer, and a different account has been specified for the derivative contract, the account specified for the contract will take precedence. If you have specified Debit or Credit settlement accounts that use an account class that is restricted for the product, an override is sought.</p> </div> <p>This field is optional.</p> |
| Account | <p>Select the Account from the option list.</p> <p>Specify the settlement account if Settlement Instructions have not been defined for the customer. The settlement account that you specify is the account through which the various components linked to the contract get settled.</p> <p>This field is optional.</p> |

Table 4-3 (Cont.) Islamic Derivatives Contract Detailed Main - Field Description



| Field | Description |
|----------------------|---|
| Contract Type | <p>Select the Contract Type either as Hedge or as Trade.</p> <div style="border: 1px solid #0070C0; padding: 10px; margin: 10px 0;"> <p> Note:</p> <p>Indicate whether the product being defined is meant for trade deals or hedge deals. When you associate a contract with a product, the specification you made for the product is defaulted to the contract. You can change this specification. The specification you make for the Contract Type will determine the accounting entries that will be passed for processing the particular contract. The system will identify all trade contracts and revalue them according to the revaluation preferences you have specified. For hedge type of contracts profit accruals will be carried out at periodic intervals.</p> </div> <p>This field is optional.</p> |
| Booking Date | <p>The date on which the deal details are entered is displayed here. It defaults to the system date (today's date). This date is for information purposes only. The accounting entries are passed as of the Value Date of the deal (initiation date of the deal).</p> <p>This field is mandatory.</p> |
| Value Date | <p>The system displays the Value Date.</p> <p>This field is mandatory.</p> <p>The system defaults to today's date. Enter the Value Date of your choice here, and it can be any one of the following:</p> <ul style="list-style-type: none"> • Today's list • A date in the past • A date in the future <p>The Value Date must not be earlier than the Start Date or later than the End Date of the product involved in the deal. If the liquidation date for any of the deal components falls before today's date, pass the liquidation entries (as defined by you for the product) you have specified for the same product.</p> <div style="border: 1px solid #0070C0; padding: 10px; margin: 10px 0;"> <p> Note:</p> <p>The accounting entries for the initiation of the deal will be passed as of the value date. The tenor of the deal will begin from this date and all calculations for profit and all the other components based on tenor will be made from this date onwards.</p> </div> |
| Maturity Date | <p>Indicate the date on which the swap matures.</p> <p>This field is mandatory.</p> |

Table 4-3 (Cont.) Islamic Derivatives Contract Detailed Main - Field Description


| Field | Description |
|---------------------------------|---|
| Buy or Sell | <p>Indicate whether the contract is a Buy type or Sell type of contract.</p> <p>This field is optional.</p> |
| Liquidate Past Schedules | <p>Liquidate past schedules of back dated contracts. If you want to liquidate the back dated schedules, the system will liquidate these schedules irrespective of the availability of funds.</p> <p>The entries associated with each event (initiation and liquidation in this case) is passed only if they have been defined in the product. Further, the accounts used are the ones defined for each entry.</p> <p>This field is optional.</p> |
| Broker | <p>Indicate the ID of the broker through whom the deal was brokered if you are processing a deal that involves brokerage. Click on the option list and select a broker code. The list will contain a list of valid brokers with whom you can enter deals.</p> <p>Enter the details of a broker only if brokerage is allowed for the product to which the deal is associated.</p> <p>This field is optional.</p> |
| Dealer | <p>Select the name of the dealer involved in the transaction.</p> <p>This field is optional.</p> |
| Exchange Rate | <p>While maintaining details of Cross Currency Swaps you are required to indicate the Exchange Rate for exchange of principal. The rate that you indicate will be used for determining the Outleg amount for the initial exchange in principal, given the In Leg amount.</p> <div style="border: 1px solid #0070C0; background-color: #E6F2FF; padding: 10px; margin: 10px 0;"> <p> Note:</p> <p>The exchange rate that you indicate will be validated against the exchange rate variance limits (Override Limit, Stop Limit) that you have specified at the time of defining the product. If the exchange rate variance exceeds the Override Limit the system will display an appropriate override message. If the rate variance exceeds the Stop Limit then you will not be allowed to save the contract until you change the rate.</p> </div> <p>This field is optional.</p> |
| Remarks | <p>Provide the Remarks in the Free format text window. The information pertaining to the details of the contract is captured in this field. The remarks that you enter here will not be reflected in any of the advices sent to the customer.</p> <p>You can capture the relevant information in the window that gets displayed. Once you capture the necessary information click the OK button.</p> <p>This field is optional.</p> |

Table 4-3 (Cont.) Islamic Derivatives Contract Detailed Main - Field Description


| Field | Description |
|----------------------------|---|
| Default Details | <p>Click the Default button. Specify the currency and amount of the first leg and the currency of the second leg. The system then displays the equivalent amount for the second leg in the currency specified for that leg.</p> <p>In case of contracts with both legs in the same currency, use the Default button or manually input the amount and currency for both legs.</p> <div style="border: 1px solid #0070C0; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>If you wish to specify the Principal and Profit details for a contract, you must use 'Default' button irrespective of whether both legs of a contract are in the same currency or in different currencies. The system displays an error if you try to access the 'Principal' and 'Profit' screens without having visited 'Default' button.</p> </div> <p>This field is optional.</p> |
| In/Out leg Details | <p>As part of maintaining the In and Out leg details of the contract, you are required to indicate the currency, amount.</p> |
| Currency and Amount | <p>Indicate the currency in which profit amount needs to be calculated for both the inward as well as the outward legs of the contract. Select the currency code from the option list available.</p> <p>Indicate the principal amount (Actual/ Notional) for both the legs of the contract. The amount that you specify will be taken in the currency indicated for the particular leg of the contract.</p> <p>This field is optional.</p> |
| Rate Type | <p>Select the Rate Type.</p> <p>The profit paid on both the legs of the contract can either be a fixed amount or an profit rate that changes periodically. For special cases you are also allowed to maintain a flat amount.</p> <p>If you specify that the profit rate for either of the legs is Fixed then you have to indicate the rate of profit for the particular leg of the contract. When the rate type is floating you have to indicate the rate code based on which the profit rate should be calculated. Similarly when the rate type is special you have to indicate the flat amount that is to be used to calculate profit.</p> <p>This field is optional.</p> |
| Rate Code | <p>If the contract involves a product defined with floating profit, this is the Rate Code that links the contract to the Floating Rate table. As is the case with the Rate Type so also the Rate Code linked to the product will be displayed in this field. You can choose to change it.</p> <p>This field is optional.</p> |

Table 4-3 (Cont.) Islamic Derivatives Contract Detailed Main - Field Description

| Field | Description |
|---|---|
| Rate Source | For all contracts with a floating profit rate leg, apart from specifying the Rate Code you are also required to indicate the Rate Source. The rate source that you indicate here (such as Telerate, Reuters) will be used to pick up the floating rate for the outward/inward leg of the contract. This field is optional. |
| Tenor Code | The tenor code refers to the tenor of the floating rate code and currency combination that is to be associated with this leg of the contract. Once you select the Rate Code, the code assigned to the tenor linked to the particular Rate Code will be displayed in this field. Choose to change it by selecting another code from the available option list. This field is optional. |
| Spread (on a floating profit rate) | When the Rate Type of the particular leg of a contract is floating you can choose to specify a spread that is to be applied over the rate maintained in the Floating Rate screen. The Spread that you enter must be greater than or equal to the Minimum Spread and less than or equal to the Maximum Spread defined for the product that the contract involves. If the spread you apply happens to be greater than the Maximum Spread, then the Maximum Spread will be applied on the rate. On the other hand, if it is less than the Minimum Spread defined for the product, the Minimum Spread will be picked up. This field is optional. |
| Rate | If you specify that the profit rate for this leg of the contract is Fixed, then enter the actual rate of profit. This field is optional. |
| Flat Amount | If you have indicated the Rate Type is Special for this leg of the contract then you need to specify the Flat Amount. This field is optional. |
| Trader Identification | Specify the trader identification details for both the in leg and out leg of the contracts. This field is optional. |

5. On the **Islamic Derivatives Contract Detailed** screen, click the **Details** tab.
The **Details** is displayed.

Figure 4-3 Details

For more information on the fields, refer to the below table.

Table 4-4 Details - Field Description

| Field | Description |
|----------------------|--|
| Assuming | Select the Assuming check box if the contract you are processing has been assumed from another counterparty. You have to indicate before you begin to specify the other details. Uncheck this check box if you are processing a fresh contract. This field is optional. |
| Customer | If the counterparty from whom you are assuming the contract is a customer of your bank, indicate the name of the customer. When the counterparty is not in any way connected to your bank you need not specify the name. This field is optional. |
| Base Currency | Since you can maintain different currencies for both the in and out legs of the contract, you have to identify one single currency as the Base Currency of the contract. The base currency you specify will be used to compute the contract fair value to be used for revaluation purposes. This field is optional. |

Table 4-4 (Cont.) Details - Field Description


| Field | Description |
|----------------------------|--|
| Revaluation Details | <p>The revaluation preferences that you made at the product level is defaulted to the contract. Revaluation is typically applicable to trade deals. You may change these preferences while processing the contracts. If indeed revaluation is required for the contract being processed, it is done according to revaluation method that you choose.</p> <p>This field is optional.</p> <div style="border: 1px solid #0070C0; padding: 5px; margin-top: 10px;"> <p> Note:</p> <p>Each of the revaluation methods have been thoroughly explained in the chapter on Defining the Fair Price revaluation methods.</p> </div> |
| Netting Required | <p>Specify the MA Code the other details linked to the code such as Limits Tracking Required, Netting Required and so on get defaulted to the contract.</p> <p>This field is optional.</p> |
| Rate Code | <p>If you indicate that the revaluation is based either on the Contract Specific Rate or on the Branch Specific Rate, then you have to indicate the Rate Code which should be used for the same purpose.</p> <p>This field is optional.</p> |
| Rate Source | <p>Select from the option list and indicate the Rate Source to which the Rate Code is to be linked. This is the Rate Source to which the Rate Code belongs.</p> <p>This field is optional.</p> |
| Holiday Treatment | <p>Select the holiday handling treatment if the Maturity Date were to fall due on a holiday. You can specify the holiday treatment according to on of the following:</p> <ul style="list-style-type: none"> • Ignore the holiday • Branch Holiday • Currency Holiday • Financial Center <p>This field is optional.</p> |
| Holiday Movement | <p>Choose to move the maturity date falling due on a holiday either forward or backward to the next or the previous working day respectively. If not, the maturity date will be kept in the same month, on the last or first working day of the month, depending on whether the maturity date is over the month-end or the beginning of the month.</p> <p>This field is optional.</p> |
| Holiday CCY | <p>If you have specified that the Holiday Treatment must be as per your specifications in the Currency Holiday Calendar then you have to indicate the currency for which the holiday table must be selected.</p> <p>This field is optional.</p> |

Table 4-4 (Cont.) Details - Field Description

| Field | Description |
|-------------------------|---|
| Financial Center | If you have indicated that the Holiday Treatment must be governed by the holiday calendar of the Financial Center then you have to indicate the code assigned to the Financial Center. This field is optional. |
| Inception Value | The inception value refers to the value of the contract at inception. This is applicable only in the of trade deals. Click either amortize the gain/loss at inception or ignore the same. Your preference about the amortization of inception gain and/or loss applies to the contract as well at the product level. If you do not want to allow amortization for inception gain/loss for this particular contract, you are allowed to do so. This field is optional. |

- On the **Islamic Derivatives Contract Detailed** screen, click the **Additional** tab. The **Additional** tab is displayed.

Figure 4-4 Additional

The screenshot displays the 'Islamic Derivatives Contract Detailed' application interface. At the top, there are search and navigation options: 'New', 'Enter Query', and window controls. The main area is divided into four tabs: 'Main', 'Detail', 'Additional' (which is currently selected), and 'Termination'.
 The 'Additional' tab contains several input fields and sections:
 - **Product**: Search field with a magnifying glass and a 'P' button.
 - **Product Description**: Text input field.
 - **Swapion Reference**: Search field with a magnifying glass and a 'P' button.
 - **Reference Number ***: Input field.
 - **User Reference**: Input field.
 - **External Reference**: Input field.
 - **Reversed Reference**: Input field.
 - **Version Number**: Input field with 'Previous' and 'Next' buttons, and an 'Of' field.
 - **Source Code**: Input field with the value 'FLEXCUBE'.
 - **Type**: Search field with a magnifying glass.
 - **Type Description**: Input field.
 Below the input fields, there are two main sections:
 - **Limits**: Contains checkboxes for 'Governed By Master Agreement', 'Limits Tracking Required', 'Netting Required', and 'Fair Value Limits Tracking'. It also has input fields for 'Master Agreement Code', 'Current Value', 'Interest Exposure', and 'FX Exposure'. A 'Master Agreement Details' button is present.
 - **Notional & Risk Weighted Limits**: Contains checkboxes for 'Notional Limit Tracking' and 'Risk Weighted Limit Tracking'. It has input fields for 'Notional Line Code', 'Risk Weighted Line Code', 'Risk Percent', and 'Risk Weighted Amount'.
 At the bottom, a navigation bar includes buttons for 'Event', 'Brokerage', 'Settlements', 'Advice', 'Charges', 'Tax', 'MIS', 'Fields', 'Principal', 'Profit', 'Sub Agreement', 'Commodity Tracking', 'Audit', and 'Exit'.

For more information on the fields, refer to the below table.

Table 4-5 Additional tab - Field Description



| Field | Description |
|-------------------------------------|--|
| Governed By Master Agreement | <p>Select the Governed By Master Agreement check box. Indicate that the contract for which you are capturing details comes under the purview of a master agreement that exists between your bank and the counterparty.</p> <p>This field is optional.</p> |
| Master Agreement Code | <p>Indicate the code assigned to the Master Agreement in the Master Agreement Maintenance screen. To enter the Master Agreement Code, click the Master Agreement Details button. The system displays the related details for the MA code specified. The other details linked to the MA code, such as Limits Tracking Required, Netting Required and so on gets defaulted to the contract.</p> <p>This field is optional.</p> |
| Limits Tracking Required | <p>Select Limits Tracking Required check box. If you do not want to select Limits Tracking Required check box then you are allowed to unselect this check box.</p> <p>This field is optional.</p> <div style="border: 1px solid #0070C0; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>At the Master Agreement level, if you have specified that limit tracking is not required then by default, you cannot change it at the time of entering the contract details.</p> </div> |
| Fair Value Line Code | <p>This field is the Line Code for the Fair Value Limits Tracking. This is defaulted from the master agreement maintenance once the master agreement is chosen.</p> <p>This field is optional.</p> <div style="border: 1px solid #0070C0; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>This field is mandatory if the Fair Value Limits Tracking option is checked.</p> </div> |

Table 4-5 (Cont.) Additional tab - Field Description


| Field | Description |
|----------------------|--|
| Current Value | Enter the Current Value of the Contract. This field is optional. <div style="border-left: 2px solid #0070C0; border-right: 2px solid #0070C0; border-bottom: 2px solid #0070C0; padding: 10px; background-color: #E6F2FF;">  Note: The Current Value represents the current Mark-to-Market value of the contract. This value is subject to change as and when the contract is revalued. When you are entering a contract, enter the inception value in this field. This will be taken as the current value of the contract. </div> |
| FX Exposure | Specify the Profit and FX Exposure amounts. The likely increase in value in a contract during the contract tenor may be attributed to two factors: <ul style="list-style-type: none"> • Profit Exposure - Exposure to fluctuation in profit rates. • FX Exposure - Exposure to fluctuations in exchange rates only when foreign currency is involved. |

Table 4-5 (Cont.) Additional tab - Field Description

| Field | Description |
|---|---|
| <p>Notional & Risk Weighted Limits</p> | <p>You can specify whether Limit Tracking is required for the particular contract. The fields Fair Value Limit Tracking, Notional Limits Tracking and Risk Weighted Limits Tracking will be enabled only if Limit Tracking option is enabled. If the contract is governed by a Master agreement then if any of the three fields (Fair Value Limit Tracking, Notional Limits Tracking and Risk Weighted Limits Tracking) are checked in the Master Agreement, the Limit Tracking Required option will be checked at contract level.</p> <p>The fields Notional Limits Tracking, Notional Line Code, Risk Weighted Limits Tracking and Risk Weighted Line Code are defaulted from the Master agreement maintenance if the contract comes under the preview of a Master Agreement.</p> <p>The Notional Line Code and Risk Weighted Line Code are mandatory if the Notional Limits Tracking and Risk Weighted Limits Tracking options are enabled, respectively. For the line code, all valid lines for the counterparty and the product is displayed in the option list.</p> <p>On saving the contract, all the three lines selected is validated for any restrictions based on product and currency. Oracle Banking Treasury Management ensures that all line codes selected are distinct from each other. Risk% and Risk Weighted amount is calculated and shown in the screen as soon as the Risk Weighted Limits Tracking option is selected. These fields are recalculated if the value date or the maturity date is amended. Risk Weighted Amount is calculated as follows:</p> <p>Risk percent is computed by comparing the tenor (Maturity date – Value date) of the contract with the tenor slabs in risk percent maintenance. Risk category used for comparison is the risk category defined in customer maintenance for the counterparty of the derivatives and options contract. Product used for comparison is the product for the contract. If there is no risk maintenance for the particular category and product, product will be replaced by ALL and risk percent for contract tenor, customer category and product ALL is arrived at. Module used to find out the risk percent is 'DV' for Islamic Derivatives.</p> <p>Various combinations possible to find out risk percentage in order of preference are: DV + Customer Category + Product DV + Customer Category + ALL</p> <p>An error message is raised if Risk Weighted Limit Tracking is selected and risk percentage cannot be arrived at. Risk percent, once arrived at, is stored and the contract level is used to compute the risk weighted amount for limit tracking.</p> <p>Any future amendment of risk percentage in risk percentage maintenance will not affect the risk weighted amount of the contract and it will remain the same throughout the life cycle of the contract. Limits Utilization for the Notional Amount and the Risk Weighted amount is done against the in leg currency for IRS and CCS.</p> |

Limits Processing

Limit tracking for Notional Contract amount will be carried out on the in leg principal. For risk weighted limit tracking, notional amount is multiplied with the risk percent for finding out the risk weighted amount and limit tracking will be done on this amount.

If credit netting is checked during contract input and the contract is governed by a master agreement, then the limit tracking must be done against a single reference number. This reference number will be the master agreement code of the master agreement for the counterparty of the contract.

7. On the **Islamic Derivatives Contract Detailed** screen, click **Termination** tab.

The **Termination Details** is displayed.

Figure 4-5 Termination

The screenshot shows the 'Islamic Derivatives Contract Detailed' application window. The 'Termination' tab is selected, and the 'Termination Details' section is expanded. The form includes the following fields and controls:


- Product:** Searchable text field with a 'P' button.
- Product Description:** Text area.
- Swaption Reference:** Searchable text field with a 'P' button.
- Reference Number:** Text field with a red asterisk.
- User Reference:** Text field.
- External Reference:** Text field.
- Reversed Reference:** Text field.
- Version Number:** Section with 'Previous' and 'Next' buttons, and an 'Of' field.
- Source Code:** Text field with value 'FLEXCUBE'.
- Type:** Searchable text field.
- Type Description:** Text field.
- Termination Details:**
 - Termination Type:** Text field.
 - Counterparty:** Searchable text field.
 - Termination Date:** Text field.
 - Currency:** Searchable text field.
 - Termination Value:** Text field.
 - Amortize Termination Gain:** Toggle switch.
 - Amortize Termination Loss:** Toggle switch.
- Navigation Bar:** Buttons for Event, Brokerage, Settlements, Advice, Charges, Tax, MIS, Fields, Principal, Profit, Sub Agreement, Commodity Tracking, Audit, and Exit.

For more information on fields, refer to the below table:


Table 4-6 Termination - Field Description

| Field | Description |
|---------------------------------------|--|
| Termination Type | Indicate whether it is a normal termination or whether the contract is going to be assigned to another counterparty when you are terminating a specific contract. In the latter case, indicate the counterparty to whom the contract is to be assigned. For a new contract, this is not applicable. This field is optional. |
| Counterparty | If the contract is to be assigned to counterparty then indicate the ID of the counterparty to whom the contract is to be assigned. This field is optional. |
| Termination Value and Currency | Indicate the gain or loss in value by specifying a positive or negative amount and the currency in which the termination gain or loss is to be settled. Click either amortize the termination gain/loss or ignore the same. This field is optional. |

Table 4-6 (Cont.) Termination - Field Description

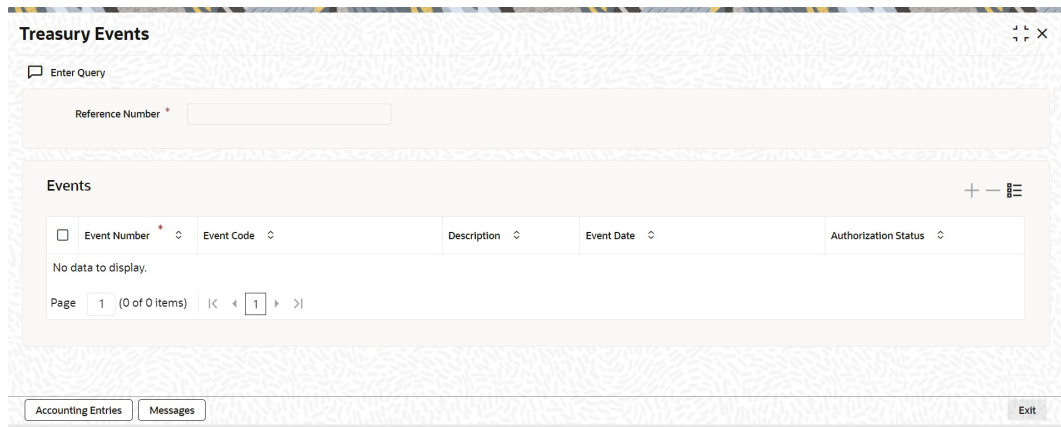
| Field | Description |
|--------------------------------|---|
| <p>Termination Date</p> | <p>You must specify the Termination Date. Termination can either be back-valued, current dated or future-valued. The date that you specify should adhere to the following conditions:</p> <ul style="list-style-type: none"> • For IRS/CCS contracts the termination date can be anywhere between the Booking Date (inclusive) and Maturity Date (exclusive). Any deviation from these conditions will result in an error message • If you are specifying a back-dated termination for an IRS/CCS contract, ensure that the termination date is not greater than the most recent schedule settlement date that has been executed. • The termination date is defaulted as the System date. You can modify this date. Ensure that you do not leave this field blank • The termination date is defaulted as the System date. You can modify this date. Ensure that you do not leave this field blank • When you save the contract after specifying the Termination Date, DTRB event is triggered. No accounting entries are passed for this event. The contract status remains active after DTRB and a new version is created • If the DTRB event has been triggered for a contract, you cannot terminate the contract again • For a back-valued termination, or termination on application date, the Termination event (DTER) is triggered along with the event DTRB when you save the contract. The SGEN for Termination is fired on authorization. • For future-dated termination, the termination event (DTER) is triggered during EOD/ BOD on the respective date. <div style="background-color: #e6f2ff; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>Your specification in the Product Preferences screen about the amortization of termination gain/loss the is defaulted on to the contract. At the product level, if you have set this preference as No then you will not be allowed to change this to Yes at the contract level. However, if you have set the preference as Yes then you can change this to No at the contract level.</p> </div> |

8. On the **Islamic Derivatives Contract Detailed** screen, click the **Event** button. The **Events** screen is displayed.

 **Note:**

The details of events that has already taken place for the transaction leg is displayed, along with the date on which the event took place.

Figure 4-6 Events



9. On the **Events** screen, click the **Accounting Entries** button.
You can view the accounting entries details for a specific event.
10. On the **Islamic Derivatives Contract Detailed** screen, click the **Brokerage** button.
The **Brokerage Details** is displayed.

 **Note:**

You have to specify the brokerage details applicable to the contract while capturing the details of a contract involving brokerage. From the Islamic Derivatives Contract Detailed screen, you can view the name of the broker through whom the contract was brokered. The broker details include the brokerage rule linked to the broker defaults. You can change brokerage details like if it can be booked in advance, in arrears or if it needs to be waived altogether.


Enter the details of a broker only if brokerage is allowed for the product to which the contract is associated. For more information, refer Brokerage user manual under Modularity.

For more information on the fields, refer to the below table.

Table 4-7 Brokerage tab - Field Description

| Field | Description |
|---------------------------|---|
| Contract Reference | The system displays the Contract Reference. This field is optional. |
| Broker | The code assigned to the broker through whom the deal was brokered is displayed along with the broker's name. This field is mandatory. |
| Broker Name | View the Broker Name. This field is optional. |

Table 4-7 (Cont.) Brokerage tab - Field Description

| Field | Description |
|---------------------------|--|
| Rule | The rule code and description that has been linked to the broker. This field is optional. |
| Payable Currency | If the brokerage payable currency is the same as the brokerage paid currency, then the same amounts (brokerage paid and brokerage payable) are displayed against the currencies. You have the option to change these currencies. This field is mandatory. |
| Payable Amount | While you cannot input the brokerage payable amount, the brokerage paid amount can be changed. The following brokerage details are displayed: <ul style="list-style-type: none"> The brokerage liquidation status. If it has been liquidated, the liquidation preference number is displayed. The rule code and description that has been linked to the broker. This field is optional. |
| Brokerage Currency | If the brokerage payable currency is the same as the brokerage paid currency, then the same amounts (brokerage paid and brokerage payable) are displayed against the currencies. You have the option to change these currencies. This field is mandatory. |
| Brokerage Amount | You can change the brokerage paid amount but you cannot input the brokerage payable amount. This field is mandatory. |
| Liquidation Status | You can view the brokerage liquidation status. If it has been liquidated, the liquidation reference number is also displayed. The rule code and description that is linked to the broker. This field is optional. |
| Reference Number | The system displays the Reference Number. This field is optional. |
| Booking | Indicate preferences as to when the brokerage applicable to the contract needs to be linked. The options available are: <ul style="list-style-type: none"> No Booking Advance Arrears Consider for Discount View the preference specified for the broker. Change from advance to arrears or vice-versa. The third option is waiving brokerage. If you opt for no booking, no accounting entries will be passed for brokerage for this deal. <div style="border-left: 2px solid #0070C0; padding-left: 10px; margin-top: 10px;"> <p> Note:</p> <p>The brokerage details for operations like delete, change, authorize, liquidate and detailed view will display brokerage details. Click the Modify option from the Actions Menu to change brokerage details for a deal.</p> </div> |

11. On the **Islamic Derivatives Contract Detailed** screen, click the **Settlement** button.

The **Settlement Details** screen is displayed.

The information that is related to the settlement method and route applicable for a transfer is referred to as Settlement Instructions. For more information, refer Settlements user manual under Modularity.

You have to capture the following details in order to capture the details of a contract successfully.

- The accounts to be debited for charges, if there are any
- The accounts to be debited for profit that the contract involves
- The method in which the contract is to be settled - whether it is an instrument or a Message (as in a SWIFT or TELEX message)
- Details about the route through which the money settlement need to take place.

The Settlement Instructions are captured through four different screens. Through the four screens you can capture the following information:

- Account details (the details about the accounts involved in the contract that have to be either debited or credited in your branch)
- Message details
- Party details (the details about the various parties involved in the contract)

Accounts Details

For the various components involved in a transaction like charges etc you have to specify the account details in this screen. These details include the component, the currency in which it is paid, the payment account and its currency, the branch of your bank to which the account belongs, the exchange rate (in the case of the component currency being different from the account currency). Depending on the component, the system will also display whether the account involves debit or credit entry.

- P indicates you credit (Pay to) the account involved
- R indicates you debit (Receive from) the account involved

Message Details tab

A transaction can be settled either in the form of an instrument (a Demand Draft, a Manager's Check or a Check) or a Message (a SWIFT, TELEX or Mail message to be sent to the receiver). The details regarding the instrument or message have to be specified in the Message Details screen. The message details that you specify are applicable only for SWIFT. The type of SWIFT message that is generated depends on the parties involved in the contract. Depending on the method in which you want to settle the transaction, you must input either Instrument or Message details.

For a transaction that is being settled through an instrument, you should specify the type of instrument being used. It could be Manager's Check, Check or a Demand Draft. You should also specify the number that will identify the instrument. This number will be printed on the instrument. If the settlement is through an instrument, you cannot specify party details for the transaction.

Specify Instrument Details

 **Note:**

If the settlement is through an instrument, you cannot specify party details for the transaction.

Specify Message Details

For a SWIFT message, you have to specify:

- Whether a Cover has to be sent to the Reimbursement Bank, along with the payment message to the receiver.
- Bank to bank payment details, (these can be in the form of instructions or additional information to any of the parties involved in the transaction)
- Information from the sender to the receiver

Party Details


You may have to pass on funds through a series of banks before it actually reaches the ultimate beneficiary to effect the transaction. You can capture details of all the parties that will be involved in settlement of the transaction through the two Parties screens. These screens contain fields that explore the possible routes in which the transaction components can be transferred.

For more information on the fields, refer to the below table.

Table 4-8 Party Details - Field Description

| Field | Description |
|---|---|
| Intermediary Reimbursement Institution | An Intermediary Reimbursement Institution is the financial institution between the Sender's Correspondent and the Receiver's Correspondent, through which the reimbursement of the transaction will take place. |
| Intermediary | The Intermediary in a transaction refers to the financial institution, between the Receiver and the Account With Institution, through which the transaction component 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 SWIFT. You can enter either of the following: <ul style="list-style-type: none"> • ISO Bank Identifier Code of the bank • Name and address of the Bank |
| Receiver's | The Receiver's Correspondent is the branch of the Receiver or another financial institution at which the funds will be made available to the Receiver. This field corresponds to field 54a of SWIFT. You can enter one of the following: <ul style="list-style-type: none"> • ISO Bank Identifier Code • The branch of the Receiver's Correspondent • Name and address of the Receiver's Correspondent |

Table 4-8 (Cont.) Party Details - Field Description

| Field | Description |
|---------------------------------|---|
| Account with Institution | <p>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 SWIFT. You can enter one of the following:</p> <ul style="list-style-type: none"> • 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) |
| Ordering Institution | <p>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. Enter one of the following:</p> <ul style="list-style-type: none"> • The ISO Bank Identifier Code of the Ordering Institution • The branch or city of the Ordering Institution • The Name and address of the Bank |
| Ordering Customer | <p>The Ordering Customer refers to the ordering customer of the transaction. 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 you have initiated a customer transfer (MT 100 and MT 202).</p> |
| Beneficiary Institution | <p>Enter details of the institution in favor of which the payment is made. It is in reality the bank that services the account of the Ultimate Beneficiary. This field corresponds to field 58a of SWIFT.</p> <p>You will be allowed to make entries into this field only for Bank Transfers (when the remitter and beneficiary of the transfer are financial institutions - MT 100 or MT 202). Here you can enter either:</p> <ul style="list-style-type: none"> • The ISO Bank Identifier Code of the Beneficiary Institution • The Name and Address of the Beneficiary Institution |
| Ultimate Beneficiary | <p>The Ultimate Beneficiary refers to the Customer to whom the transaction amount is to be paid. This field refers to field 59 of SWIFT. You can make entries into this field only for a customer transfer (MT 100 and MT 202). The number of banks involved in the transfer would depend on the:</p> <ul style="list-style-type: none"> • Relationships and arrangements between the sending and receiving banks • Customer instructions • Location of parties • The banking regulations of a country <div style="border: 1px solid #0070C0; padding: 10px; margin-top: 10px;"> <p> Note:</p> <p>For more details, refer to the Oracle Banking Treasury Management Settlements User Manual.</p> </div> |

12. On the **Islamic Derivatives Contract Detailed** screen, click the **Advices**.

The **Advices** screen is displayed.

Enter details of a broker only if brokerage is allowed for the product to which the contract is associated.

For more information on the fields, refer to the below table.

Table 4-9 Advices tab - Field Description

| Field | Description |
|--------------------|--|
| Party Type | The party type to whom a specific advice needs to be sent is picked up automatically based on the type of contract you are entering and the parties specified in the contract. The address of the party who is the recipient of the message is picked up by default, based on the media and address maintenance for the party. You can change either of them. For a payment message by SWIFT, you also have the option to change the priority of the message. This field is mandatory. |
| Receiver ID | Specify the Customer to whom the Advice is dispatched. This field is optional. |
| Suppress | By default, all the advices defined for a product is generated for contracts involving it. If any of the advices are not applicable to contract you are processing, you can suppress its generation. This field is optional. |
| Priority | For a payment message by SWIFT, you also have the option to change the priority with which the message needs to be generated. By default, the priority of all advices is marked as Normal. You have the option to prioritize a payment message to one of the following options: <ul style="list-style-type: none"> • Normal • Medium • High This field is optional. |
| Medium | The medium through which an advice is transmitted and the corresponding address is picked up is based on the address and media maintained for the customer who is the recipient of the message. You can, however, change either of these while processing the contract. Typically, if changed, both of them will be changed. This field is optional. |

13. On the **Islamic Derivatives Contract Detailed** screen, click **Charges**.

The **Charge Details** screen is displayed.

Figure 4-7 Charge Details

The reference number of the transaction leg for which you are defining charge details is displayed. The screen will contain a list of all the charge components applicable to the transaction leg.

For each leg of the transaction you can specify the charges that you levy. Charges are applicable only the for customer legs of a transaction.

The characteristic feature of a charge is that it is always booked in advance and is not accrued, as a charge is collected only when it is due. Each charge component in turn is linked to a product. All the charge components linked to a product are defaulted to the contracts associated with it. Thus each time you enter a contract, you need not specify when and how charges must be collected.

However, while capturing the details of a transaction, you can choose to associate a component to the transaction. Further, you can modify some of the attributes defined for the applicable component.

 **Note:**

You have defined the attributes of a charge by defining a Charge Rule in the ICCF Rule Definition screen. A rule identifies the basic nature of the charge. You have further defined a Charge class in the Charge Class Maintenance screen where you have enriched the attributes of a rule.

For more information on fields, refer to the below table.

Table 4-10 Charge Details - Field Description



| Field | Description |
|--|--|
| Charge Association | <p>All the charge components applicable to the transaction leg you are processing is displayed together with the rule that is linked to the component.</p> <ul style="list-style-type: none"> • Change the charge rule linked to the component - The system will display a list of all the charge rules maintained. Select the appropriate rule from the option list. Choose a new rule to link to the component from the option list. The new rule will be made applicable to the charge component. • Disassociate a charge component from the transaction leg - Disassociate a charge component from the transaction leg. In the Contract Charge Details screen, click against the waive option positioned next to the component. In this case, the charge component is attached to the transaction leg but is not calculated. |
| Charge Application | <p>Indicate the charge components that needs to be applied to the transaction leg. The list of components that are listed depends on the charge components are associated to the transaction leg. Also, the following details of the component are also displayed:</p> <ul style="list-style-type: none"> • The basis component on which the charge is levied • The currency of the basis amount • The basis amount • The charge amount • The currency in which the charge amount is defined. <div data-bbox="716 1171 1377 1350" style="background-color: #e6f2ff; padding: 10px; border: 1px solid #0070c0;"> <p> Note:</p> <p>You can change the charge amount using the class applicable to the component.</p> </div> |
| Waive a charge on a transaction leg | <p>You can waive the component for the transaction leg that you are processing. To waive the charge on the transaction you are processing, select the waiver option on the screen. The charge will be calculated but not applied.</p> <div data-bbox="716 1549 1377 1728" style="background-color: #e6f2ff; padding: 10px; border: 1px solid #0070c0;"> <p> Note:</p> <p>You can waive a charge only if it is yet to be liquidated.</p> </div> |

Table 4-11 Charge Liquidation - Field Description

| Field | Description |
|--------------------------------|--|
| View Charge Liquidation | <p>When a charge component that is applied to a transaction is liquidated, the relevant accounting entries are passed. The charge liquidation displays the following:</p> <ul style="list-style-type: none"> • The charge components that have already been liquidated. • Liquidated Amount. • The currency in which it was liquidated. |

- On the **Islamic Derivatives Contract Detailed** screen, click **Tax**.
The **Tax** screen is displayed.

 **Note:**

The tax details specified for the product to which the contract is associated is automatically applied to the contract. However, while processing a contract, you can waive the application of tax on the contract. For more details, refer to the *Oracle Banking Treasury Management Tax user manual*.

Figure 4-8 Tax

- On the **Islamic Derivative Contract Detailed** screen, click the **Fields**.
The **Fields** screen is displayed.

- On the **Islamic Derivatives Contract Detailed** screen, click **Principal**.

The Derivatives Contract Principal Details screen is displayed.

You have to maintain the principal schedule details for the in and out legs of the contract only if you have specified so for the derivative type linked to the contract. You can define the details of a particular leg (either in leg or out leg).

Figure 4-9 Derivative Contract Principal Details

- Specify the holiday treatment, the holiday movement and the frequency of the principal schedules.

The Holiday screen is displayed.

- Click the **Add** button.

You can select a currency /financial institution from the option list.

Note:

You can delete a currency/financial institution if required. Click the Delete button.

For more information on fields, refer the below table

Table 4-12 Holiday Processing- Field Description

| Field | Description |
|------------------------------|---|
| Auto Settlement | The principal exchange schedules can either be settled automatically or manually. Select the Auto Settlement check box to indicate that the principal settlement will be done automatically as of the settlement date. De select the Auto Settlement check box to do it manually. |
| Move Backward/Forward | If the preferred holiday treatment, the branch holiday, the currency holiday or the holiday governed by the financial center may, in turn, fall on a holiday. In such a situation, indicate the movement of the schedule date. it can be moved forward to the next working day or it can be moved backward to the previous working day. |
| Cascade Schedules | The cascading schedules arises only if: <ul style="list-style-type: none"> You have specified that a schedule falling due on a holiday has to be moved forward or backward The schedule has been defined with a definite frequency |

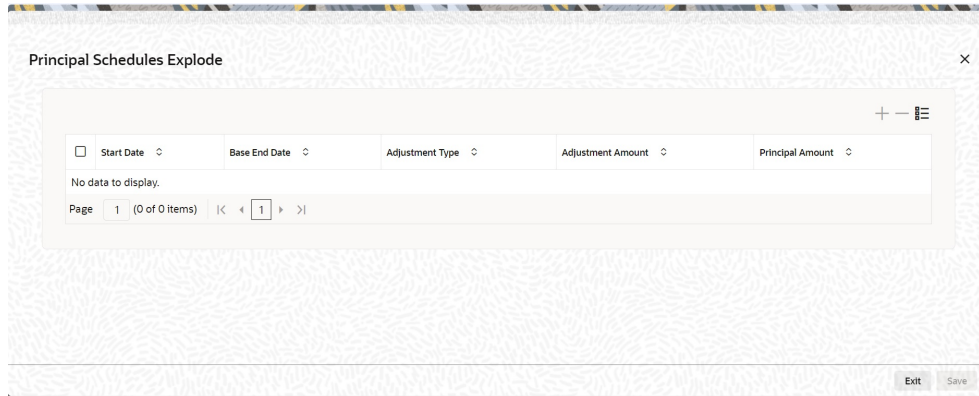
The schedule date for the next payable schedule will depend on how the schedule date was moved for a holiday based on the schedules cascaded.

Table 4-13 Maintain Holiday Treatment Details - Field Description

| Field | Description |
|--|--|
| Holiday Treatment | In Oracle Banking Treasury Management, a schedule date falling due on a holiday can be treated in any of the following ways:Ignore the holiday - In which case the holiday will be ignored and the schedule date will be retained on that day. Choose to follow the Local holiday - The holiday will be treated as per your specifications in the Branch Holiday Maintenance screen. Choose to follow the Currency holiday - The movement of schedules will be based on the holiday calendars maintained for all the currencies that you have specified for the contract in the Holiday Currency screen (explained in detail in the subsequent section)Indicate that the holiday treatment should be governed by the Financial Center – In such a case, the movement of schedules will be based on the holidays maintained for the financial institutions involved in the contract (multiple financial institutions are also maintained in the Holiday Currency screen) |
| Holiday Currency and Financial Centre | If you choose to follow either the currency holiday or the holiday calendar maintained for the financial center, you need to specify the currencies/ financial institutions that are involved in the contract. In the event, a schedule date of a component falls due on a holiday, the system computes the next schedule date based on the combination of holiday calendars maintained for all the currencies/ financial institutions that you have specified for the contract (whether principal, profit or revision). Therefore, in effect, the next schedule date for a component will be a working day in all the calendars involved in the contract. |
| Multiple Currencies/ Financial Institutions | On the Holiday Currency screen, click Holiday button to indicate the currencies or the financial institutions (depending on your selection of the holiday treatment) involved in the contract. This option is enabled only if you have selected the Combined option for the Derivative Type involved in the contract. |

19. On the **Derivatives Contract Principal Details** screen, click the **Explode** button.
The **Principal Schedules Explode** screen is displayed.

Figure 4-10 Principal Schedules Explode



 **Note:**

You can change the details of existing schedules by clicking the Amend button

20. On the **Islamic Derivative Contract Detailed** screen, click the **Profit** button.
The **Islamic Derivatives Contract Profit Details** screen is displayed.

Figure 4-11 Islamic Derivatives Contract Profit Details

The screenshot displays the 'Islamic Derivatives Contract Detailed' application window. At the top, there are navigation options: 'New' and 'Enter Query'. The main area is divided into several sections:

- Product Information:** Fields for Product, Product Description, and Swaption Reference.
- Reference Information:** Fields for Reference Number, User Reference, External Reference, and Reversed Reference.
- Version Information:** Fields for Version Number, Source Code (pre-filled with 'FLEXCUBE'), Type, and Type Description.
- Main Details:** Fields for Counterparty, Description, Settlement Account Branch, Account, and Contract Type (Hedge/Trade).
- Trade Dates:** Fields for Trade Date, Booking Date, Value Date, and Maturity Date, along with Buy or Sell options.
- Termination:** A toggle for 'Liquidate Past Schedules' and fields for Broker, Dealer, Exchange Rate, and Remarks.
- In Leg:** Fields for In Leg Currency, Account Description, In Principal Amount, and In Traded Id.
- Rate Information (In Leg):** Fields for Rate Type, Rate Source, and Rate.
- Rate Information (Out Leg):** Fields for Rate Type, Rate Source, and Rate.
- Out Leg:** Fields for Out Leg Currency, Description, Out Principal Amount, and Out Traded Id.
- Rate Information (Out Leg):** Fields for Rate Type, Rate Source, and Rate.
- Spread and Flat Amount:** Multiple fields for Rate Code, Tenor Code, Spread, and Flat Amount for both In and Out legs.

At the bottom, there is a navigation bar with tabs: Event, Brokerage, Settlements, Advice, Charges, Tax, MIS, Fields, Principal, Profit, Sub Agreement, Commodity Tracking, Audit, and Exit.

As a result of linking a product to a contract all the product specific preferences defined at the product level is inherited by the contract. These preferences include the profit accrual preferences, liquidation preferences and the schedules for the various profit and revision profit components. Except for the profit accrual frequency, which you have defined at the product level you are allowed to modify all the other preferences (accrual as well as liquidation) to suit the contract you are processing.

You are required to indicate the profit schedule, profit revision schedule and accrual related details for every contract that you process.

21. On the **Islamic Derivatives Contract Profit Details** screen, click the Main Details tab. The Main Details is displayed.

Table 4-14 Main Details - Field Description

| Field | Description |
|---------------------------------|---|
| <p>Accrual Required</p> | <p>You can choose not to accrue profit for a particular contract although you have indicated this preference at the product level.</p> <p>For instance when you are processing a trade deal profit accrual details are not required since trade deals are always revalued. In the 'Profit Details' screen you can indicate that profit accrual is not required for the specific contract by disabling the option.</p> <p>However if indeed profit accrual is required for the contract you are processing and you merely want to change the accrual related details such as the profit calculation method, the basis on which profit is to be calculated for the accrual period, you will be allowed to do so.</p> <p>The accrual function when run as part of the batch process run at EOD, calculates the accrual amount and passes accrual accounting entries for the accruable profit components of a derivative contract. The function will pick up derivative contracts for processing on the following criterion:</p> <p>Active and authorized contracts which are yet to be liquidated</p> <ul style="list-style-type: none"> • Contracts whose accrual date falls on the current processing date and next working date. <p>The date on which accrual is due for a contract is calculated based on the accrual date and accrual frequency defined for the product associated with the contract.</p> <p>If the accrual date of a bill falls on a holiday, the accruals are done as per your holiday handling specifications for automatic processes.</p> <p>This field is optional.</p> |
| <p>Denominator Basis</p> | <p>Indicate the basis on which the denominator has to be computed. The options available are:</p> <p>Per annumPer period</p> <p>This field is optional.</p> |
| <p>Auto Settlement</p> | <p>Specify the whether the mode of liquidation should be automatic or manual for the different components of contracts linked to that product during setting up of a product. By default, all derivatives involving the product will inherit this definition.</p> <p>However, you can change the mode of liquidation, from automatic to manual, or vice versa, while processing a contract.</p> <p>This field is optional.</p> |

Table 4-14 (Cont.) Main Details - Field Description


| Field | Description |
|-------------------------------|---|
| Include To Date | <p>Indicate whether you would like to take into account the last day in an accrual period, for arriving at the accrual days both for the in and out legs of the contract. Indicate whether the last day in a liquidation period should be considered for liquidation.</p> <div style="border: 1px solid #0070C0; background-color: #E6F2FF; padding: 10px; margin: 10px 0;"> <p> Note:</p> <p>Refer the topic 'Define Attributes specific to Derivative Products' for details on Numerator and Denominator Methods</p> </div> <p>This field is optional.</p> |
| Rate Denominator Basis | <p>Indicate the basis on which rate denominator has to be computed. The options available are: Per annum Per period. If you are specifying in leg details then indicate the in leg rate denominator basis. While defining out leg details indicate the out leg rate denominator basis.</p> <p>This field is optional.</p> |
| Payment Method | <p>Indicate the method in which profit components for both the in as well as the out legs of the contract must be paid. Indicate one of the following:</p> <ul style="list-style-type: none"> • Arrears - Profit is liquidated at the end of each profit period. • Advance - Profit is paid at the start of each profit period. <p>This field is optional.</p> |
| Discount Rate Basis | <p>Indicate the basis on which the profit rate needs to be picked up to compute the discounted amount. You can select any one of the following options:</p> <ul style="list-style-type: none"> • Direct Input -Manually enter the rate at which profit is to be discounted. • Contract Floating Component -Specify the Floating Component based on which profit is to be discounted. • Other Floating Component - Indicate the rate source linked to the rate, the tenor associated with the rate, as well as the spread that is to be applied over the rate maintained in the Floating Rates screen. Based on these parameters the discount rate is calculated. <p>If you select the first option then you have to manually enter the rate at which profit is to be discounted. When the discount rate basis is the Floating Component you have to specify the Floating Component based on which profit is to be discounted.</p> <p>If your choice to discount the rate basis is the Other Floating Component, you have to indicate the rate source linked to the rate, the tenor associated with the rate, as well as the spread that is to be applied over the rate maintained in the 'Floating Rates' screen. Based on these parameters the discount rate will be calculated.</p> <p>This field is optional.</p> |

Table 4-14 (Cont.) Main Details - Field Description

| Field | Description |
|-----------------------------|--|
| Discount Rate | Specify the rate at which profit is to be discounted, if the discount rate basis is Direct Input. This field is optional. |
| Floating Component | Indicate the Floating Component based on which profit is to be discounted, if you have indicated that the discount rate basis is Contract Floating Component. This field is optional. |
| Discount Auto Pickup | Specify discount rate source, rate code, tenor code and the rate spread. Select the Discount Auto Pickup check box to pick up discount rate automatically from the system, from the Floating Rates screen. This field is optional. |
| Discount Rate Source | If your choice for the discount rate basis is the Other Floating Component, then indicate the Rate Source linked to the Rate Code based on which the discount rate is to be calculated. This field is optional. |
| Discount Tenor Code | If your choice for the discount rate basis is the Other Floating Component, then indicate the tenor code associated with the rate Code based on which the discount rate is to be calculated. |
| Discount Rate Spread | For the floating component, specify the Spread that you want to apply over the rate maintained in the Floating Rates screen. The Spread you apply must always be greater than or equal to the Minimum Spread and less than or equal to the Maximum Spread defined for the product involved in the contract. If the spread happens to be greater than the Maximum Spread, then the Maximum Spread will be applied on the rate. On the other hand, if it is less than the Minimum Spread defined for the product, the Minimum Spread will be picked up. For a floating rate, the spread will be applied over the market rate applicable for the day. |
| Rate Type | The profit rate type paid on derivative settlements can be any one of the following types: Fixed Floating Special |
| Profit Rate | To maintain a fixed profit rate for a particular component of the profit leg of a contract, specify the rate. |
| Flat Amount | Indicate the Flat Amount when the profit rate is special. If the derivative you are processing happens to be a commodity type of derivative instrument, indicate whether the flat amount specified is per unit of the derivative. |
| Waiver | Select the Waiver check box if you want to waive this component. Else leave this box unchecked. |
| Rate Source | Indicate the Source from which the Rate Code is to be taken. The Rate Code pick list is populated depending on your selection of the rate source. |
| Rate Code | If the Rate Type you have specified is Floating, then indicate the Rate Code that is to be associated (from the 'Floating Rates' screen) with the profit leg of the contract. |
| Tenor Code | Once you specify the Rate Code, indicate the Tenor Code that is to be linked to the particular Rate Code. |

Table 4-14 (Cont.) Main Details - Field Description

| Field | Description |
|-----------------------|---|
| Profit Spread | Choose to apply a spread over and above the rate maintained in the Floating Rates screen. This Spread must be greater than or equal to the Minimum Spread and less than or equal to the Maximum Spread defined for the product that the contract involves. If the spread you apply happens to be greater than the Maximum Spread, then the Maximum Spread will be applied on the rate. On the other hand, if it is less than the Minimum Spread defined for the product, the Minimum Spread will be picked up. |
| Main Component | Define any number of tenor based profit components for every contract that you process. Therefore it is essential that you identify one profit component as the Main Component. This component will be used for amortization purposes. For the main component the Rate Type is defaulted from the Contract Input Maintenance screen. For all the other components the Rate type that you indicate will determine whether the particular in or out leg profit component (depending on which leg details you are specifying) is fixed, floating or special. |

22. On the **Islamic Derivatives Contract Profit Details** screen, click the **Schedule** tab.

The Schedule Details is displayed.

Profit liquidation process will pass netted entries for in leg and out leg schedules only if the in leg profit liquidation date matches with the out leg liquidation date. To facilitate netting for asynchronous schedules netting amount tags should be separately maintained at the product level. Netting for Asynchronous schedules is possible only for Profit Rate Swaps (IRAs) and for CCS. Refer to the Annexure A – Accounting Entries and Advices manual for details on maintaining the netting amount tags.

For more information on the fields, refer to the below table.

Table 4-15 Schedule Details- Field Description

| Field | Description |
|-----------------------------------|--|
| Schedule Holiday Treatment | Specify the holiday treatment that has to be followed when schedules fall due on a holiday. The holiday treatment method is explained at length in the earlier section Principal Schedule Details. |
| Start Date | Enter the date on which the particular profit schedule should start using calendar icon. |
| Frequency | To define periodic profit schedules, indicate the frequency of the schedules for a particular profit component. From the Frequency drop-down list, select one of the following by clicking on the option: Daily Weekly Monthly Quarterly Half-yearly Yearly Bullet. If you choose a bullet schedule for a particular profit component, the liquidation for the component will happen only as of the Maturity Date. |
| Frequency Units | Specify the number of units of the frequency in this field. The number that you specify here will determine the actual schedule frequency. For instance for a particular schedule you want to have a bi-weekly frequency. The option list available for Frequency does not have this option. In the Frequency field, indicate the option Weekly and in the Frequency Unit field if you enter 2, the particular schedule will be due every once in two weeks. |

Table 4-15 (Cont.) Schedule Details- Field Description

| Field | Description |
|------------------------------|--|
| Schedules | For a particular Frequency and Frequency Unit combination, choose number of schedules depending on how many you want to define for the particular profit component. For instance, If you have indicated for a particular schedule that the Frequency must be Weekly and the Frequency Unit as 2. Subsequently, you indicate that the Number of Schedules as 12. This particular schedule will be run once in two weeks twelve times. |
| Adhere To Month End | If the profit liquidation schedule is in terms of a month, choose to indicate whether the schedule days adheres to Month-Ends. Select Adhere To Month End check box to indicate that profit schedules adheres to month ends. |
| Amount | Indicate the profit amount for the particular special component if the profit schedules you are defining is for a special type of profit component. |
| Compounding Indicator | Select the Compounding Indicator check box. It indicates that the profit amount is not repaid but is added on to the principal amount at the end of the contract period. If you uncheck the check box, the profit repayment must be liquidated on the schedule end date. |

23. On the **Islamic Derivatives Contract Detailed** screen, and click the **Revision**. The **Revision Details** is displayed.

Figure 4-12 Revision

For more information on the fields, refer the to the below table:

Table 4-16 Revision Details - Field Description



| Field | Description |
|-------------------------------------|---|
| Revision Holiday Treatment | You have to specify the holiday treatment that has to be followed when schedules fall due on a holiday. The holiday treatment method has been explained at length in the earlier section on Indicating Principal Schedule Details Holiday Treatment. |
| Reset Date Details | <p>The floating profit rates are entirely dependent on the market conditions. You can periodically reset the floating rate for each profit component over the tenor of the contract. For this purpose you need to specify the date basis on which profit rates should be reset. The following options are available:</p> <ul style="list-style-type: none"> • Start Date - The rate will be refreshed as of the start date of the schedule depending in the reset movement and the reset days. • End Date - The rate will be refreshed as of the start date of the schedule depending in the reset movement and the reset days indicated. • Other - You can also specify any other date basis as the reset date basis. |
| Reset Date Movement | Specify the basis on which rate should be reset you have to indicate whether the reset movement should be backward or forward from the schedule Start/ End Date or any other date. |
| Allow External Rate Revision | Checking this option indicates that for a contract, you can allow rate revision based on the rates uploaded from an external system. If the option is checked but no rate is uploaded for the contract, the rate would be picked up from the maintenance. |
| Reset Days | <p>For the reset basis and reset date movement specified, you have to indicate the number of days before or after the start/end or any other date that must be used to determine the rate reset date.</p> <div style="border-left: 2px solid #0070C0; padding-left: 10px; margin-top: 10px;"> <p> Note:</p> <p>If a particular reset date falls on a holiday then you are required to indicate the way in which the holiday must be treated</p> </div> |
| Revision Schedules | Specify the date on which the particular profit revision schedule should start |
| Frequency | <p>If you want to define periodic profit revision schedules, you must indicate the frequency of the revision schedules for a particular profit component.</p> <div style="border-left: 2px solid #0070C0; padding-left: 10px; margin-top: 10px;"> <p> Note:</p> <p>If you prefer to keep the revision schedules as bullet then the particular profit component is liquidated only as of the Maturity Date.</p> </div> |

Table 4-16 (Cont.) Revision Details - Field Description

| Field | Description |
|----------------------------|---|
| Frequency Units | You can specify the number of units of the frequency in this field. The number that you specify here will determine the actual schedule frequency. For instance for a particular schedule you want to have a bi-weekly frequency. The option list available for Frequency does not have this option. In the Frequency field indicate the option weekly and in the Frequency Unit field if you enter 2, the particular schedule will be due every once in two weeks. |
| No. of Schedules | For a particular Frequency and Frequency Unit combination you can choose to have a number of schedules depending on how many you want to define for the particular revision component. For instance, for a particular schedule you have indicated that the Frequency should be Weekly and the Frequency Unit as 2. Subsequently you indicate that the Number of Schedules as 12. This particular schedule will be run every two weeks twelve times. |
| Adhere to Month End | If the profit revision schedule is in terms of a month, you can choose to indicate whether the schedule days should adhere to Month-Ends by checking this option. |

- On the **Islamic Derivatives Contract Detailed** screen, and click the **Commodity Tracking** or on the home page, type **IDDCOTRK** in the text box, and click the next arrow.

The **Commodity Details** or **Islamic Derivative Commodity Tracking** screen is displayed.

Figure 4-13 Commodity Tracking

For more information on the fields, refer to the below table:

Table 4-17 Commodity Tracking - Field Description

| Field | Description |
|-----------------------------------|---|
| Contract Reference | The system displays the contract for which commodity details are being input. |
| Event Sequence Number | The system displays the event sequence number |
| Leg Type | The system displays the commodity details for the in and out leg. |
| Counterparty | The system displays the counterparty details of the contract. |
| Operation | The system displays commodity operation details based on the contract type and the commodity tracking status. |
| Goods Description | Specify the description of the goods bought. |
| Global Agreement Reference | Specify the agreement reference number associated with the transaction. |
| Global Agreement Date | Specify the date of the agreement associated with the contract. |
| Quantity | Specify the quantity of commodity to be purchased. |
| Price | The system displays the principle amount of the transaction as the purchase price of the commodity, by default. |
| Unit Price | The system derives the unit price based on the purchase price and the quantity of the commodity. |
| Location | Specify the place where the sales and purchase of the commodity occurs. |
| Title | Specify the title for the commodity purchased. |
| Payment Instrument | Specify the details of the payment instruments. |
| Commodity Settled | Select the Commodity Settled check box. It indicates that the commodity has been sold or purchased. |

4.2 Reassign contract to another user

This topic describes the systematic instruction to reassign topics to another user.

A contract is deleted only by the user who entered it. If a contract has to be deleted and the user who inputs the same is not available to do it, you can reassign the contract to another user, so that the other user can delete it. Typically, this situation may arise during EOD operations, when a contract that is not authorized, has to be deleted, and the user who inputs has left the office for the day.

1. On the Home page, type **DVDTREAS** in the text box, and click next arrow.


Derivative Contract Reassign screen is displayed.

Figure 4-14 Derivative Contract Reassign

2. On **Derivative Contract Reassign** screen, specify the fields, and click Exit.
For more information of fields, refer to the below table.

To reassign a contract to another user, the following steps are required:

Table 4-18 Derivative Contract Reassign - Field Description

| Field | Description |
|---------------------------|---|
| Product Code | Indicate the product associated with the contract. Select a product code from the option list, which contains a list of the authorized products that you have created. |
| Contract Reference | Indicate the contract reference number of the derivative, you wish to reassign to another user. Select a reference number from the option list, which contains a list of all the active derivative contracts. |
| New User Identity | <p>Select the User ID of the user to whom the contract is assigned.</p> <div style="border: 1px solid #0070C0; padding: 5px; margin: 10px 0;"> <p> Note:</p> <p>This user to whom you reassign a contract should have access rights to enter derivative contracts.</p> </div> <p>User ID will default from the login screen. Select Save from the Actions menu in the Application toolbar or click save icon to save the specifications you have made. Click Exit or Cancel, if you do not want to save the details that you entered.</p> |

4.3 ISDA Confirmation

This topic describes the details to capture the confirmation check for derivative deal events.

Using this ISDA check at deal product level, the trigger of an authorized event at contract level would trigger creation of a record in this screen with details used from the contract.

ISDA confirmations are designed to confirm the terms of a trade and will not have any processing impact for the contract.

ISDA confirmation status will be marked as unconfirmed by default and would be manually updated by a user action to confirm once the ISDA confirmation is counter-signed and agreed by both the parties of the trade

During the processing of the DV contract, a record is available for ISDA confirmation based on the event, if the product has the ISDA confirmation check applicable for that particular event.

1. On the Home page, type **DVDISDCO** in the text box, and click the next arrow.
ISDA Confirmation screen is displayed.

Figure 4-15 ISDA Confirmation

2. On the **ISDA Confirmation** screen, click **Enter Query**.
3. Specify the details as per requirement and execute query.

You will have three options:

- **Unlock:** This allows you to make changes to the record if the record is not authorized. After Unlock user you will have a option to save the changes.
- **Authorize:** This option allows authorization of a record by a user different from the maker of the record. The Authorize sub screen displays same options as the Authorize screens. If a record is unconfirmed and another user is trying to authorize the record then he will get a message "Record is not confirmed".
- **Print:** This option allows the user to print a record.



The list of the events below are applicable to ISDA confirmation in DV:

Table 4-19 ISDA confirmation - Events

| Events | Description |
|--------|----------------------|
| DAMN | Contract Amendment |
| DBOK | Contract Booking |
| DTER | Contract Termination |

For information on fields, refer to: below table.

Table 4-20 ISDA Confirmation - Field Description

| Field | Description |
|---------------------------------|--|
| Contract reference | This is the number assigned in the contract online screen of the respective instrument. This field is non-amendable for a record and mandatory for any query |
| Event | This displays the list of events allowed for ISDA confirmation for the product code used in the contract which is non-amendable for a record and mandatory for a query. |
| Event Sequence | This displays the event seq no. as generated in contract online screen. To be useful for cases where an event is triggered more than once which is non-amendable for a record and mandatory for a query. |
| Event Description | This displays the description of the non-amendable event. |
| ISDA Confirmation Date | <p>This field allows you to select the date of the event.</p> <div style="border: 1px solid #0070C0; padding: 5px; background-color: #E6F2FF;"> <p> Note:</p> <p>By default this is same as system date. This date cannot be more than system date and can be back dated till the Booking date of the contract.</p> </div> |
| ISDA confirmation Status | <p>This field allows you to allow the user to select:</p> <ul style="list-style-type: none"> • Confirmed • Unconfirmed <div style="border: 1px solid #0070C0; padding: 5px; background-color: #E6F2FF;"> <p> Note:</p> <p>Note: By default all the records created in this screen are unauthorized and require manual action to confirm the same.</p> </div> |

- [ISDA Confirm Summary](#)

4.3.1 ISDA Confirm Summary

1. On the Home page, type **DVSI****SDCO** in the text box, and click the next arrow. **ISDA Confirmation Summary** screen is displayed.

Figure 4-16 ISDA Confirmation Summary Screen

The screenshot displays the 'ISDA Confirmation Summary' interface. At the top, there are search options: 'Search', 'Advanced Search', 'Reset', and 'Clear All'. A 'Records per page' dropdown is set to 15. Below this is a 'Search (Case Sensitive)' section with filters for 'Contract Reference', 'ISDA Confirmation Date' (with a calendar icon), 'Authorization Status', and 'ISDA Confirmation Status'. The 'Search Results' section shows a table with columns: 'Contract Reference', 'Event Sequence Number', 'Authorization Status', 'Event Code', 'ISDA Confirmation Status', and 'ISDA Confirmation Date'. The table is currently empty, displaying 'No data to display.' Below the table is a pagination control showing 'Page 1 Of 1' and navigation arrows. An 'Exit' button is located in the bottom right corner.

2. Choose the entry from the list displayed and authorize the entry in the ISDA Confirmation screen based on the confirmation.

5

Confirmation of Profit and Principal Schedules

The profit and principal schedules (for Single / Cross currency swaps) defined for an Islamic derivative contract would typically be confirmed by the counterparty involved in the contract.

In Oracle Banking Treasury Management, you can capture the details of each such confirmation received.

The topic contains the following sections:

- [Confirm Schedule Details](#)
This topic describes the procedure to confirm the schedule details.
- [Reassign a contract to another User](#)
This topic provides the systematic instruction to reassign a contract to another user.

5.1 Confirm Schedule Details

This topic describes the procedure to confirm the schedule details.

You can provide details in the Islamic Confirmation screen and confirm the provided details. The schedule details pertaining to the contract are automatically populated in the Islamic Confirmation screen upon authorization of the contract button.

- On the Homepage, type **IDDTRCNF** in the text box, and click next arrow.
The Islamic Confirmation screen is displayed.

Figure 5-1 Islamic Confirmation

| Schedule Date | Component | Amount | Currency | Pay/Receive | Media | Receiver | Confirmed | Remarks |
|---------------------|-----------|--------|----------|-------------|-------|----------|-----------|---------|
| No data to display. | | | | | | | | |

For more information on the fields, refer the following table:

Table 5-1 Islamic Confirmation- Field Description

| Field | Description |
|----------------------|---|
| Schedule Date | The date on which a particular component due. This field is optional. |
| Component | All the components for which the rate type is fixed are displayed. The various principal and profit components for which the confirmation is being processed. The components displayed depend on the rate type associated with them. In the case of a floating rate type, only those components that have undergone a rate revision is displayed. This field is optional. |
| Amount | The amount due towards each schedule. If you have opted for netting at the contract level, the amount displayed is netted provided the components due for settlement are in the same currency and have the same schedule date. The components are always netted against the main component specified for the In Leg of the contract. The netted amount will be displayed against the main component. This field is optional. |
| Currency | The amount due towards each schedule is settled in the currency displayed here. This field is optional. |
| Pay/Receive | Indicates whether the components are payables or receivables. The value displayed may be: <ul style="list-style-type: none"> • O (Outgoing/Payable) • I (Incoming/Receivable) This field is optional. |

You are allowed to enter the following details in the screen. You need to unlock the record before proceeding to enter these details.

For each schedule you can indicate the media (MAIL, SWIFT, etc) through which the confirmation was received. You can select the appropriate media from the option list provided. You are also allowed to enter a media type that is not available in the option list.

You can specify the name of the receiver (for instance the name of the Derivatives back-office user in your bank) who received the confirmation. No validation is done for this field.

If required, you can enter additional information for each schedule in the Remarks column. The system does not validate the contents of this field.

5.2 Reassign a contract to another User

This topic provides the systematic instruction to reassign a contract to another user.

A contract can be deleted only by the user who entered it. If a contract has to be deleted and the user who input the same is not available to do it, you can reassign the contract to another user so that the other user can delete it. Typically, this situation may arise during EOD operations, when a contract that is not authorized has to be deleted and the user who input it has left office for the day.

- On the Home page, type **IDDTREAS** in the text box, and click next arrow.
The **Islamic Derivatives Contract Reassign** screen is displayed.


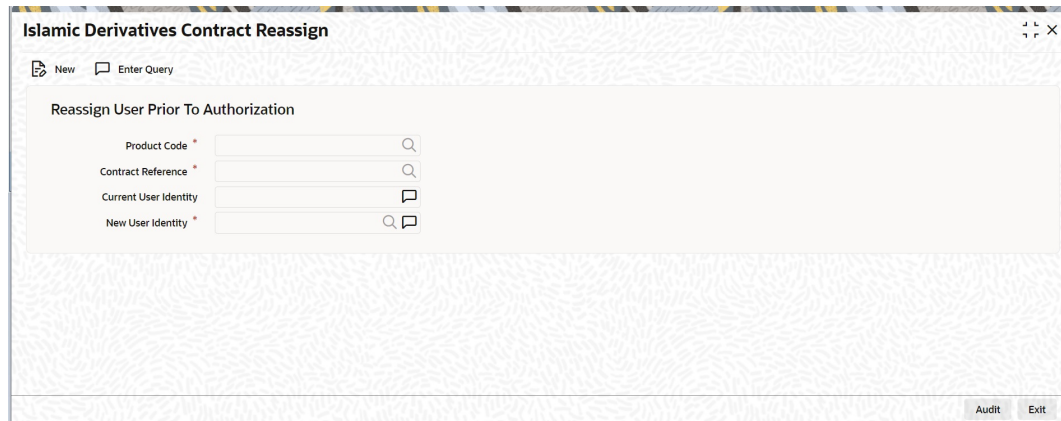
 **Note:**
You can reassign a contract to another user, the following steps are required:

Figure 5-2 Islamic Derivatives Contract Reassign




For more information on the fields, refer the following table :

Table 5-2 Islamic Derivatives Contract Reassign

| Field | Description |
|------------------------------|--|
| Product Code | Indicate the product associated with the contract. Select a product code from the option list, which contains a list of the authorized products that you have created. This field is mandatory. |
| Contract Reference | Indicate the contract reference number of the derivative you wish to reassign, to another user. You can select a reference number from the derivative contracts list. This field is mandatory. |
| Current User Identity | Specify the user id of the current user. This field is optional. |

Table 5-2 (Cont.) Islamic Derivatives Contract Reassign

| Field | Description |
|--------------------------|---|
| New User Identity | <p>Select the User ID of the user to whom you are assigning the contract. Your User ID is defaulted from the login screen. Click Save from the Actions menu in the Application tool bar to save the specifications you have made. Click Exit or Cancel button if you do not want to save the details that you entered.</p> <div data-bbox="740 478 1458 659" style="background-color: #e6f2ff; padding: 10px;"><p> Note: This user to whom you reassign a contract must have access rights to enter derivative contracts.</p></div> <p>This field is mandatory.</p> |

6

Batch Process

The End of Cycle process constitutes a set of programs that mark the logical beginning or end of a cycle of events. It is required to execute many routine functions every day as part of the End of Cycle process. The functions are:

- Beginning of day programs (BOD)
- End of Day (EOD)

The various BOD and EOD functions that are processed by the system is documented in this system.

This topic contains following sub-topics:

- [Daily Events](#)
This topic explains the processing of daily events and mandatory batch program maintenance

6.1 Daily Events

This topic explains the processing of daily events and mandatory batch program maintenance

The Daily Events has the below topics:

- Process Daily Events
- Mandatory Batch Program Maintenance

Process Daily Events

As part of the batch processes, the following events are selected and processed:

- Settlements
- Accruals/Amortization
- Revaluation population
- Revaluation processing

The batch function identifies the previous process to date (the date until which the previous batch was run) and the current process to date (the date until which the current batch is being run) for the current batch run. It then considers the type of batch being run. This can be either BOD batch run or EOD batch run.

Based on the parameters specified at the time of maintenance, the function selects the various events in the following order:

Events that need to be processed only once in a batch run and are applicable for the type of batch being run whether BOD or EOD.

Events that requires running for all holidays falling between the previous process to date and the current process to date.

Events running on every processing date and are applicable for the current type of batch being run for all the working days of the batch.

Mandatory Batch Program Maintenance

This section contains following sub-topics:

- [Process Automatic Daily Program](#)
This topic explains the systematic instruction to process Automatic Daily Program.
- [Batch Process](#)
This topic describes year end batch process.
- [External Revaluation](#)
This topic describes the external MTM upload through web service, GI, and external revaluation process.

6.1.1 Process Automatic Daily Program

This topic explains the systematic instruction to process Automatic Daily Program.

It is necessary to maintain a mandatory program, to run the derivatives daily event program.

- On the **Mandatory Batch Program Maintenance** screen, specify **EIDMANPE** in the text box, and click next arrow.

Maintain the function **DVBAUDLY** as a mandatory program to execute the End of Day batch

For further details on running an EOD batch, refer to Automated End of Day User Manual

6.1.2 Batch Process

This topic describes year end batch process.

The year-end batch process is triggered to collect data about the unrealized income booked for each contract during the year. It is allowed to trigger this process only if the Track PY PnL Adjustment option is enabled for the branch through the Preferences section of the 'Branch Parameters' screen.

During liquidation, the information collected using the batch process is used to post-adjustment entries to the previous year's adjustment GL

Make sure to execute this batch process before executing the Year-end P and L balance transfer batch. The balances about the unrealized income booked for each contract during the year is stored at the Contract, Component and Currency level.

For unrealized accruals the batch process stores data for the in the leg and out leg interest components and for the unrealized accrual of termination gain/loss. For advance contracts, unrealized accrual signifies accruals for those schedules, which have liquidated but for which accruals have not completed. For arrears contracts, unrealized accrual is indicative of the amount accrued until the date for those interest schedules, which are yet to be liquidated.

For termination gain or loss, unrealized accrual is the amount accrued for a terminated contract, which has not yet reached maturity.

This topic has the following sub-topic:

- [Upload DV Contracts](#)

6.1.2.1 Upload DV Contracts

Oracle Banking Treasury provides the facility of holiday treatment for principal schedules, interest and interest revision schedules of a DV online contract based on Multiple-currency and Multiple-financial centers if the following conditions are satisfied.

- The derivative type for the product allows combined holiday treatment.
- To specify the details of currencies or financial centers for combined holiday treatment for uploaded DV contracts in the table shown below:

Table 6-1 DV Contracts table

| Column Name | Data Type | Length | Description |
|------------------|-----------|--------|--|
| BRANCH_CODE | Character | 3 | Branch Code |
| SOURCE_CODE | Character | 20 | Source Code of the external system |
| EXTERNAL_REF_NO | Character | 16 | Unique Reference Number of the contract being uploaded |
| COMPONENT | Character | 10 | INLEG_PRN => Principal of the in leg OUTLEG_PRN => Principal of the out leg DV_IN_INT => Interest of the inleg DV_OUT_INT => Interest of the outleg |
| CCY_FIN_CENTER | Character | 3 | Currency code or Clearing house |
| CCY_OR_FINCENTER | Character | 1 | C => Currency F => Financial Centre |

If the value of CCY_OR_FINCENTER is C, then the value provided in CCY_FIN_CENTER must be an authorized and open currency

If the value of CCY_OR_FINCENTER is F, then the value provided in CCY_FIN_CENTER must be an authorized and open clearing house.

Provide details of the list of currencies or financial centers from the above table if the type of the derivative for the uploaded product supports combined holiday treatment and the holiday treatment for a specific component and schedule type is set as currency or financial center.

When holiday treatment is set as combined but schedule holiday treatment has been set as ignore or Local at the specific component level then the data provided in the combined holiday treatment table is not considered by Uploaded schedules.

In case of synchronous schedules for principal or interest supported by the derivative type, the OUT leg holiday preference will default from the IN leg and the already provided OUT leg

will be ignored. While in case of synchronous revision for IN or OUT legs for interest revision supported by derivative type, IN/ OUT revision holiday preference defaults from IN/ OUT interest holiday preference.

In case of asynchronous schedules if you have to specify the holiday treatment in the existing upload tables as Currency/ Financial center for IN and OUT legs and the holiday treatment in type maintenance is defined as combined, then you must provide for combined holiday treatment details for IN and OUT leg separately else an error is displayed. If the holiday treatment has been specified as Ignore/ Local for the component in the existing table, then the new upload table for combined holiday treatment is ignored for that component and schedule type.

6.1.3 External Revaluation

This topic describes the external MTM upload through web service, GI, and external revaluation process.

Here the revaluation is done based on the external values which is provided as the input (revaluated profit or loss) to the system.

Once the External revaluation option is enabled at branch parameter, the EOD batches in the system does not calculate any profit or loss for the contracts, the accounting entries which is given to the system is posted and the revaluation event is triggered.



Note:

If the option external revaluation is enabled and if the MTM value is not received, the system skips the revaluation for the particular contract and the system logs exception into a table.

External MTM upload through Webservice

The External MTM value received is in XML format for a contract.

An Operation CreateExtMTMValue is used to upload DV External MTM Value for a contract through the gateway.

The following fields are mentioned in the XML:

Table 6-2 XML Fields

| Field | Description |
|------------------------|--|
| Source | Code Source Code of the upload |
| Upload Date | Date when XML is uploaded |
| Upload time | Time of the upload |
| Effective Date | Revaluation/Value Date used in accounting |
| Branch Code | Branch Code of the bank. |
| Contract Ref No | Reference Number of the contract for which MTM value upload is being done. |
| In Leg CCY | In Leg CCY |

Table 6-2 (Cont.) XML Fields

| Field | Description |
|------------------------|--|
| Out Leg CCY | Out Leg CCY |
| Base CCY | Base CCY |
| In Leg P&L | Calculated In Leg P&L (External System) |
| Out Leg P&L | Calculated Out Leg P&L (External System) |
| Net P&L | Calculated Net P&L (External System) |

An error is raised when:

- The Contract reference number is not valid.
- Duplicate record exists for the contract reference number and revaluation date.
- Revaluation date is greater than the application date.
- Contract is not active.
- If Netting required flag is checked and Net P&L, Base CCY is not there in XML.
- If Netting required flag is unchecked and In Leg P&L, Out Leg P&L, In Leg and Out Leg CCY is not there in XML.

External MTM upload through GI

The Bulk Upload of external MTM value is supported through GI.

User can define properties, formats and components associated with interface file in the Interface Definition GIDIFTDF screen. For uploading rate fixed contracts from external system into OBTR select interface type as Incoming, interface code as DVDETM TM.

When an Incoming Interface Definition is saved, a dynamic package and external tables for each component is created in the Database. The generated dynamic package consists of fn_process_file and fn_upload for maintenance functions.

External tables per component is created on the file name mentioned in the Interface Maintenance, which is used for reading the corresponding component's data from the file.

The processing of the incoming interface takes place in:

- File process (FP): This process transfers data from file to upload tables.
- Data process (DP): This process transfers data from upload table to the base tables.

The following fields are mentioned in the incoming files:

Table 6-3 Fields in the Incoming file

| Field | Description |
|-----------------------|---|
| Source Code | Source Code of the upload |
| Upload Date | Date when XML is uploaded |
| Upload time | Time of the upload |
| Effective Date | Revaluation/Value Date used in accounting |
| Market Date | MTM fair Value date |

Table 6-3 (Cont.) Fields in the Incoming file

| Field | Description |
|------------------------|--|
| Branch Code | Branch Code of the bank. |
| Contract Ref No | Reference Number of the contract for which MTM value upload is being done. |
| In Leg CCY | In Leg CCY |
| Out Leg CCY | Out Leg CCY |
| Base CCY | Base CCY |
| In Leg P&L | Calculated In Leg P&L (External System) |
| Out Leg P&L | Calculated Out Leg P&L (External System) |
| Net P&L | Calculated Net P&L (External System) |

- For the error validation refer to the error validation of the Web Services in the above section.
- The Job DV_MTMUPLOAD is defined and scheduled to pick the records from external system through GI for processing.
- User can trigger the process of Generic Interface using the Interface Trigger screen (GIDIFPRS).
- For more information on the GI process, refer to the Generic Interface User Manual.
- Move the incoming file to the DB server 'Read' folder manually or through file upload feature.
- Before starting the file upload, ensure that user has sufficient access permissions/ grants to move and copy the files in the following folders inside file path specified while defining the interface.
 - ready
 - wip
 - file_processed
 - processed
 - error
- On successful upload of external MTM Value, the external revaluation event is triggered and system will post accounting entries will trigger online.

External Revaluation Process

- External Revaluation is done based on DV Branch Parameter. If External Revaluation is at Branch Level, the branch revaluation is always executed externally.
- If External Revaluation is at Product Level, system checks the External Revaluation Required flag at Product. If the flag is checked, the revaluation happens externally and if the flag is Unchecked revaluation happens internally on EOD batch processing.

- If the MTM value is uploaded for only one contract, the data is received using Webservice, and on successful acknowledgment, the external revaluation (EXRV) event is triggered online to perform the revaluation entries online.
- In case of the bulk upload, the data is received through Generic Interface, and on successful acknowledgment the external revaluation (EXRV) event is triggered online to perform the revaluation entries online.
- All other entity related to accounting and revaluation works as per existing functionality.
- If the Revaluation Reversal is along with Revaluation at branch parameter level, the reversals of entries for a particular revaluation is performed at the time of the next revaluation with EXRR Event.
- If the Revaluation Reversal is Next Day in BOD at branch parameter level, any revaluation gain or loss is reversed the very next day during the BOD process with EXRR Event.
- If the BOD processing date is the first day of the financial year, revaluation reversal is done from the previous Year adjustment GL maintained on upload External Revaluation table is populated with respective values.
- If External revaluation parameter is enabled, and is the revaluation level is branch, the DV batch does not execute the internal revaluation.
- In case OBTR does not receive any MTM value for any particular day, the system skips the revaluation for the particular contract on that day.

 **Note:**

The System supports the back dated External revaluation.

- When OBTR receives back dated External revaluation after year- end, Profit and Loss adjustment entries are posted manually as Journal entry. User operationally handle the same.

Example for External Revaluation:

Consider the contract is booked on 15th July with external revaluation required.

Scenario 1:

On 17th receiving P&L amount as 150 GBP for 16th July.

Table 6-4 Event EXRV (External Contract Revaluation)

| Accounting Role | Amount Tag | Dr/Cr | Amount | CCY | Transaction Date | Value Date |
|-----------------|----------------|-------|--------|-----|------------------|------------|
| CONT_FAIR_VAL | CUR_NETRVL_INC | Dr | 150 | GBP | 17-Jul-20 | 16-Jul-20 |
| NET_RVL_INC | CUR_NETRVL_INC | Cr | 150 | GBP | 17-Jul-20 | 16-Jul-20 |

On 18th receiving P&L amount as 75 GBP for 17th July

1st Revaluation reversal is triggered.

Table 6-5 Event EXRR (External Contract Revaluation reversal)

| Accounting Role | Amount Tag | Dr/Cr | Amount | CCY | Transaction Date | Value Date |
|-----------------|----------------|-------|--------|-----|------------------|------------|
| NET_RVL_INC | PRV_NETRVL_INC | Dr | 150 | GBP | 18-Jul-20 | 18-Jul-20 |
| CONT_FAIR_VAL | PRV_NETRVL_INC | Cr | 150 | GBP | 18-Jul-20 | 18-Jul-20 |

Table 6-6 Event EXRV (External Contract Revaluation)

| Accounting Role | Amount Tag | Dr/Cr | Amount | CCY | Transaction Date | Value Date |
|-----------------|----------------|-------|--------|-----|------------------|------------|
| CONT_FAIR_VAL | CUR_NETRVL_INC | Dr | 150 | GBP | 18-Jul-20 | 17-Jul-20 |
| NET_RVL_INC | CUR_NETRVL_INC | Cr | 150 | GBP | 18-Jul-20 | 17-Jul-20 |

Scenario 2 - Next Day in BOD:

On 17th receiving P&L amount as 150 GBP for 16th July.

Table 6-7 Event EXRV (External Contract Revaluation)

| Accounting Role | Amount Tag | Dr/Cr | Amount | CCY | Transaction Date | Value Date |
|-----------------|----------------|-------|--------|-----|------------------|------------|
| CONT_FAIR_VAL | CUR_NETRVL_INC | Dr | 150 | GBP | 17-Jul-20 | 16-Jul-20 |
| NET_RVL_INC | CUR_NETRVL_INC | Cr | 150 | GBP | 17-Jul-20 | 16-Jul-20 |

On 18th BOD during batch revaluation reversal is triggered.

Table 6-8 Event EXRR (External Contract Revaluation reversal)

| Accounting Role | Amount Tag | Dr/Cr | Amount | CCY | Transaction Date | Value Date |
|-----------------|----------------|-------|--------|-----|------------------|------------|
| NET_RVL_INC | PRV_NETRVL_INC | Dr | 150 | GBP | 18-Jul-20 | 18-Jul-20 |
| CONT_FAIR_VAL | PRV_NETRVL_INC | Cr | 150 | GBP | 18-Jul-20 | 18-Jul-20 |

On 18th receiving P&L amount as 75 GBP for 17th July.

Table 6-9 Event EXRV (External Contract Revaluation)

| Accounting Role | Amount Tag | Dr/Cr | Amount | CCY | Transaction Date | Value Date |
|-----------------|----------------|-------|--------|-----|------------------|------------|
| CONT_FAIR_VAL | CUR_NETRVL_INC | Dr | 150 | GBP | 18-Jul-20 | 17-Jul-20 |
| NET_RVL_INC | CUR_NETRVL_INC | Cr | 150 | GBP | 18-Jul-20 | 17-Jul-20 |

On 19th BOD during batch revaluation reversal is triggered.

Table 6-10 Event EXRR (External Contract Revaluation reversal)

| Accounting Role | Amount Tag | Dr/Cr | Amount | CCY | Transaction Date | Value Date |
|-----------------|----------------|-------|--------|-----|------------------|------------|
| NET_RVL_INC | PRV_NETRVL_INC | Dr | 150 | GBP | 19-Jul-20 | 19-Jul-20 |
| CONT_FAIR_VAL | PRV_NETRVL_INC | Cr | 150 | GBP | 19-Jul-20 | 19-Jul-20 |

On 19th OBTR does not receive revaluation from external system, then the revaluation event is not triggered and revaluation is skipped.

A

Accounting Entries and Advices

This topic describes the details of the suggested accounting entries that set up for the Derivatives module of Oracle Banking Treasury

This topic contains following sub-topics:

- [DV Events](#)
This topic describes the list of events that can take place during the life-cycle of a Derivatives contract.
- [Derivatives Amount Tags](#)
The topic describes the amount tags that are hard-coded in Oracle Banking Treasury Management.
- [Accounting Roles](#)
This topic describes the accounting roles of Derivatives contract.
- [Event-wise Accounting Entries and Advices](#)
This topic describes the event-wise accounting entries and advices.

A.1 DV Events

This topic describes the list of events that can take place during the life-cycle of a Derivatives contract.

Events of Derivatives Contracts

Table A-1 DV Events

| Event Code | Event Description |
|------------|-----------------------------------|
| DAMN | Contract Amendment |
| DASG | Contract Assignment |
| DASS | Contract Assignment |
| DBOK | Contract Booking |
| DIAC | Contract Interest Accrual |
| DIAM | Contract Inception Amortization |
| DILQ | Contract Interest Liquidation |
| DINT | Contract Initiation |
| DPLQ | Contract Principal Liquidation |
| DRVL | Contract Revaluation |
| DRVN | Contract Rate Revision |
| DRVS | Contract Reversal |
| DTAM | Contract Termination Amortization |
| DTRB | Booking of Termination Date |

Table A-1 (Cont.) DV Events

| Event Code | Event Description |
|------------|---|
| DTERR | Contract Termination |
| DRRL | Contract Revaluation Reversal |
| EXRR | Derivatives External Revaluation Reversal |
| EXRV | Contract External Revaluation |
| DPRS | Derivatives Principal Reset |
| DPRV | Derivatives Principal Reset Reversal |
| SGEN | Settlement Message Generation |

A.2 Derivatives Amount Tags

The topic describes the amount tags that are hard-coded in Oracle Banking Treasury Management.

Table A-2 Amount Tags Table

| Amount Tag | Description |
|----------------|---------------------------------------|
| CUR_INRVL_PAY | Current In Leg Payable |
| CUR_INRVL_REC | Current In Leg Receivable |
| CUR_NETRVL_EXP | Current Net Revaluation Expense |
| CUR_NETRVL_INC | Current Net Revaluation Income |
| CUR_OUTRVL_PAY | Current Out Leg Payable |
| CUR_OUTRVL_REC | Current Out Leg Receivable |
| INCP_EXP_AMORT | Inception Expense Amortization Amount |
| INCP_GAIN | Inception Gain |
| INCP_GAIN_DEF | Inception Gain Deferred |
| INCP_INC_AMORT | Inception Income Amortization Amount |
| INCP_LOSS | Inception Loss |
| INCP_LOSS_DEF | Inception Loss Deferred |
| INLEG_PRN | In Leg Principal |
| INLEG_PRN_CONT | In Leg Contingent Principal Amount |
| INLEG_PRN_DECR | In Leg Principal Decrement |
| INLEG_PRN_INCR | In Leg Principal Increment |
| INLEG_PRN_LIQD | In Leg Principal Liquidation |
| NET_INT_EXP | Net Interest Expense |
| NET_SET_INC | Net Interest Income |
| NET_SET_EXP | Net Interest Expense |
| NET_INT_INC | Net Interest Income |
| OUTLEG_PRN | Out Leg Principal |

Table A-2 (Cont.) Amount Tags Table

| Amount Tag | Description |
|------------------------|--|
| OUTLEG_PRN_CONT | Out Leg Contingent Principal Amount |
| OUTLEG_PRN_DECR | Out Leg Principal Decrement |
| OUTLEG_PRN_INCR | Out Leg Principal Increment |
| OUTLEG_PRN_LIQD | Out Leg Principal Liquidation |
| PRV_INRVL_PAY | Previous In Leg Revaluation Payable |
| PRV_INRVL_REC | Previous In Leg Revaluation Receivable |
| PRV_NETRVL_EXP | Previous Net Revaluation Expense |
| PRV_NETRVL_INC | Previous Net Revaluation Income |
| PRV_OUTRVL_PAY | Previous Out Leg Revaluation Payable |
| PRV_OUTRVL_REC | Previous Out Leg Revaluation Receivable |
| TRMN_EXP_AMORT | Termination Expense Amortization Amount |
| TRMN_GAIN | Termination Gain |
| TRMN_GAIN_DEF | Termination Gain Deferred |
| TRMN_INC_AMORT | Termination Income Amortization Amount |
| TRMN_LOSS | Termination Loss |
| TRMN_LOSS_DEF | Termination Loss Deferred |
| Component_LIQD_CY | Current year Unrealized accrual amount for a component |
| Component_LIQD_PY | Previous year Unrealized accrual amount for a component |
| NET_INT_INCC | Net interest Income on Cash basis |
| NET_INT_INCA | Net interest Income on Accrual basis |
| NET_INT_EXPC | Net interest expense on Cash Basis |
| NET_INT_EXPA | Net interest expense on Accrual Basis |
| Component_IAC/EAC_NPRF | _NPRF tag would be created for each component. This tag would represent accruals for net profit deals. For example, DV_IN_INT_IAC_NPRF |
| Component_IAC/EAC_NLSS | Accruals for Net loss deals |
| Component_DLIQ_PY | Previous year Unrealized outstanding |
| Component_DLIQ_CY | Current year Unrealized outstanding |

In addition to these, you can define the number of tags as per your requirement for the ICCF and tax components that are attached to the product. The component is the ICCF created component.



Note:

NET_INT_INCC, NET_INT_INCA, NET_INT_EXPC, NET_INT_EXPA
Amount tags used in the case of FRA and NET_INT_EXP, NET_INT_INC
Amount Tags used in case of IRS/CCS.

A.3 Accounting Roles

This topic describes the accounting roles of Derivatives contract.

Table A-3 Accounting Roles table

| Accounting Role | Description |
|-----------------|---------------------------------|
| BROK_PAID | Brokerage Paid |
| BROK_PAYABLE | Brokerage Payable |
| CONT_ASSET | Contingent Asset |
| CONT_ASSET_OFS | Contingent Asset Offset |
| CONT_FAIR_VAL | Contract Fair Value Account |
| CONT_LIAB | Contingent Liability |
| CONT_LIAB_OFS | Contingent Liability Offset |
| DV_IN_INT_INC | DV_IN_INT - Income |
| DV_IN_INT_REC | DV_IN_INT - Receivable |
| DV_IN_INT_RIA | DV_IN_INT - Received in Advance |
| DV_OUT_INT_EXP | DV_OUT_INT - Expense |
| DV_OUT_INT_PAY | DV_OUT_INT - Payable |
| DV_OUT_INT_PIA | DV_OUT_INT - Paid in Advance |
| INCP_EXP | Inception Expense |
| INCP_GAIN_DEF | Inception Gain Deferral Account |
| INCP_INC | Inception Income |
| INCP_LOSS_DEF | Inception Loss Deferral Account |
| INLEG_ASSET | In Leg Asset |
| INLEG_RVL_EXP | In Leg Revaluation Expense |
| INLEG_RVL_INC | In Leg Revaluation Income |
| NET_RVL_EXP | Net Revaluation Expense |
| NET_RVL_INC | Net Revaluation Income |
| NET_SET_BRIDGE | Net Settlement Bridge |
| OUTLEG_LIAB | Out Leg Liability |
| OUTLEG_RVL_EXP | Out Leg Revaluation Expense |
| OUTLEG_RVL_INC | Out Leg Revaluation Income |
| TRMN_EXP | Termination Expense |
| TRMN_INC | Termination Income |

Table A-3 (Cont.) Accounting Roles table

| Accounting Role | Description |
|---------------------|-------------------------------------|
| TRMN_GAIN_DEF | Termination Gain Deferral Account |
| TRMN_LOSS_DEF | Termination Loss Deferral Account |
| Component_REC | Receivable |
| Component_PAY | Payable |
| Component_INC | Realized Income |
| Component_EXP | Realized Expense |
| Component_INC_UNRLZ | Unrealized Income |
| Component_EXP_UNRLZ | Unrealized Expense |
| TRMN_INC_UNRLZ | Unrealized termination income |
| TRMN_EXP_UNRLZ | Unrealized termination expense |
| NET_INT_INC | Net interest income |
| NET_INT_EXP | Net interest expense |
| NET_INT_RIA | Netted interest Received in advance |
| NET_INT_PIA | Netted interest paid in advance |
| NET_INT_INC_UNRLZ | Unrealized Net interest Income |
| NET_INT_EXP_UNRLZ | Unrealized Net interest Expense |

A.4 Event-wise Accounting Entries and Advices

This topic describes the event-wise accounting entries and advices.

In this section, we will discuss the suggested accounting entries and advice that must be generated for each event in the life cycle of Derivatives contracts.



Note:

Some number of Tags linked to the Accounting Roles are user-defined.

This topic contains following sub-topics:

- [DBOK: Contract Booking](#)
- [DINT: Contract Initiation](#)
- [DILQ: Contract Interest Liquidation](#)
- [DPLQ: Contract Principal Liquidation](#)
- [DRVL: Contract Revaluation](#)
- [DIAM: Contract Inception Amortization](#)
- [DTER: Contract Termination](#)
- [DAMN: Contract Amendment](#)

- DIAC: Contract Interest Accrual
- DRVL: Contract Revaluation
- DTAM: Contract Termination Amortization
- DRRL: Contract Revaluation Reversal

A.4.1 DBOK: Contract Booking

Table A-4 Accounting Entries table

| Accounting Role | Amount Tag | Dr./Cr. Indicator |
|-----------------|----------------|-------------------|
| BROK_PAID | BROKAMT | DEBIT |
| BROK_PAYABLE | BROKAMT | CREDIT |
| CONT_FAIR_VAL | NCP_GAIN | DEBIT |
| INCP_INC | INCP_GAIN | CREDIT |
| CONT_FAIR_VAL | INCP_GAIN_DEF | DEBIT |
| INCP_GAIN_DEF | INCP_GAIN_DEF | CREDIT |
| CONT_FAIR_VAL | INCP_LOSS | CREDIT |
| INCP_EXP | INCP_LOSS | DEBIT |
| CONT_FAIR_VAL | INCP_LOSS_-DEF | CREDIT |
| INCP_LOSS_DEF | INCP_LOSS_-DEF | DEBIT |
| CONT_ASSET | INLEG_PRN | DEBIT |
| CONT_ASSET_OFS | INLEG_PRN | CREDIT |
| CONT_LIAB | OUTLEG_PRN | CREDIT |
| CONT_LIAB_OFS | OUTLEG_PRN | DEBIT |

A.4.2 DINT: Contract Initiation

Table A-5 DINT: Contract Initiation table

| Accounting Role | Amount Tag | Dr./Cr. Indicator |
|-----------------|------------|-------------------|
| CONT_ASSET | INLEG_PRN | CREDIT |
| CONT_ASSET_OFS | INLEG_PRN | DEBIT |
| INLEG_ASSET | INLEG_PRN | DEBIT |
| CUSTOMER | INLEG_PRN | CREDIT |
| CONT_LIAB | OUTLEG_PRN | DEBIT |
| CONT_LIAB_OFS | OUTLEG_PRN | CREDIT |
| OUTLEG_LIAB | OUTLEG_PRN | CREDIT |
| CUSTOMER | OUTLEG_PRN | DEBIT |

A.4.3 DILQ: Contract Interest Liquidation

Table A-6 Accounting Entries

| Accounting Role | Amount Tag | Dr./Cr. Indicator |
|-----------------|-----------------|-------------------|
| CUSTOMER | DV_IN_INT_ILIQ | DEBIT |
| DV_IN_INT_INC | DV_IN_INT_ILIQ | CREDIT |
| CUSTOMER | DV_OUT_INT_ELIQ | CREDIT |
| DV_OUT_INT_EXP | DV_OUT_INT_ELIQ | DEBIT |

A.4.4 DPLQ: Contract Principal Liquidation

Table A-7 Accounting Entries

| Accounting Role | Amount Tag | Dr./Cr. |
|-----------------|-----------------|---------|
| CONT_ASSET | INLEG_PRN_DECR | CREDIT |
| CONT_ASSET_OFS | INLEG_PRN_DECR | DEBIT |
| CUSTOMER | INLEG_PRN_DECR | DEBIT |
| INLEG_ASSET | INLEG_PRN_DECR | CREDIT |
| CONT_ASSET | INLEG_PRN_INCR | DEBIT |
| INLEG_ASSET | INLEG_PRN_INCR | DEBIT |
| CUSTOMER | INLEG_PRN_INCR | CREDIT |
| CONT_ASSET_OFS | INLEG_PRN_INCR | CREDIT |
| CONT_ASSET | INLEG_PRN_LIQD | CREDIT |
| CONT_ASSET_OFS | INLEG_PRN_LIQD | DEBIT |
| CUSTOMER | INLEG_PRN_LIQD | DEBIT |
| INLEG_ASSET | INLEG_PRN_LIQD | CREDIT |
| CONT_ASSET_OFS | OUTLEG_PRN_DECR | CREDIT |
| OUTLEG_LIAB | OUTLEG_PRN_DECR | DEBIT |
| CUSTOMER | OUTLEG_PRN_DECR | CREDIT |
| CONT_LIAB | OUTLEG_PRN_DECR | DEBIT |
| CONT_ASSET_OFS | OUTLEG_PRN_DECR | DEBIT |
| OUTLEG_LIAB | OUTLEG_PRN_DECR | CREDIT |
| CUSTOMER | OUTLEG_PRN_DECR | DEBIT |
| CONT_LIAB | OUTLEG_PRN_DECR | CREDIT |
| CONT_LIAB | OUTLEG_PRN_LIQD | DEBIT |
| OUTLEG_LIAB | OUTLEG_PRN_LIQD | DEBIT |
| CUSTOMER | OUTLEG_PRN_LIQD | CREDIT |
| CONT_LIAB_OFS | OUTLEG_PRN_LIQD | CREDIT |

A.4.5 DRVL: Contract Revaluation

Table A-8 Accounting Entries

| Accounting Role | Amount Tag | Dr./Cr. |
|-----------------|----------------|---------|
| CONT_FAIR_VAL | CUR_INRVL_PAY | CREDIT |
| INLEG_RVL_EXP | CUR_INRVL_PAY | DEBIT |
| CONT_FAIR_VAL | CUR_INRVL_REC | DEBIT |
| INLEG_RVL_INC | CUR_INRVL_REC | CREDIT |
| CONT_FAIR_VAL | CUR_NETRVL_INC | CREDIT |
| NET_RVL_EXP | CUR_NETRVL_EXP | DEBIT |
| CONT_FAIR_VAL | CUR_NETRVL_INC | DEBIT |
| NET_RVL_INC | CUR_NETRVL_INC | CREDIT |
| CONT_FAIR_VAL | CUR_OUTRVL_PAY | CREDIT |
| OUTLEG_RVL_EXP | CUR_OUTRVL_PAY | DEBIT |
| CONT_FAIR_VAL | CUR_OUTRVL_REC | DEBIT |
| OUTLEG_RVL_INC | CUR_OUTRVL_REC | CREDIT |
| CONT_FAIR_VAL | PRV_INRVL_PAY | DEBIT |
| INLEG_RVL_EXP | PRV_INRVL_PAY | CREDIT |
| CONT_FAIR_VAL | PRV_INRVL_REC | CREDIT |
| INLEG_RVL_INC | PRV_INRVL_REC | DEBIT |
| CONT_FAIR_VAL | PRV_NETRVL_EXP | DEBIT |
| NET_RVL_EXP | PRV_NETRVL_EXP | CREDIT |
| CONT_FAIR_VAL | PRV_NETRVL_INC | CREDIT |
| NET_RVL_INC | PRV_NETRVL_INC | DEBIT |
| CONT_FAIR_VAL | PRV_OUTRVL_PAY | DEBIT |
| OUTLEG_RVL_EXP | PRV_OUTRVL_PAY | CREDIT |
| CONT_FAIR_VAL | PRV_OUTRVL_REC | CREDIT |
| OUTLEG_RVL_INC | PRV_OUTRVL_REC | DEBIT |

A.4.6 DIAM: Contract Inception Amortization

Table A-9 Accounting Entries

| Accounting Role | Amount Tag | Dr./Cr. |
|-----------------|----------------|---------|
| INCP_EXP | INCP_EXP_AMORT | DEBIT |
| INCP_LOSS_DEF | INCP_EXP_AMORT | CREDIT |
| INCP_GAIN_DEF | INCP_INC_AMORT | DEBIT |
| INCP_INC_AMORT | INCP_INC_AMORT | CREDIT |

A.4.7 DTER: Contract Termination

Table A-10 Accounting Entries for NPV/Rebate

| Accounting Role | Amount Tag | Dr./Cr. |
|-----------------|-----------------|---------|
| DV_IN_INT_INC | DV_IN_INT_IAC | CREDIT |
| DV_IN_INT_RIA | DV_IN_INT_IAC | DEBIT |
| DV_IN_INT_INC | DV_IN_INT_JEAC | DEBIT |
| DV_IN_INT_REC | DV_IN_INT_JEAC | CREDIT |
| DV_OUT_INT_EXP | DV_OUT_INT_EAC | DEBIT |
| DV_OUT_INT_PIA | DV_OUT_INT_EAC | CREDIT |
| DV_OUT_INT_EXP | DV_OUT_INT_JIAC | CREDIT |
| DV_OUT_INT_PAY | DV_OUT_INT_JIAC | DEBIT |
| CONT_ASSET | INLEG_PRN_CONT | CREDIT |
| CONT_ASSET_OFS | INLEG_PRN_CONT | DEBIT |
| CONT_ASSET | INLEG_PRN_LIQD | CREDIT |
| CUSTOMER | INLEG_PRN_LIQD | DEBIT |
| CONT_ASSET_OFS | INLEG_PRN_LIQD | DEBIT |
| INLEG_ASSET | INLEG_PRN_LIQD | CREDIT |
| CONT_LIAB | OUTLEG_PRN_CONT | DEBIT |
| CONT_LIAB_OFS | OUTLEG_PRN_CONT | CREDIT |
| CONT_LIAB | OUTLEG_PRN_LIQD | DEBIT |
| OUTLEG_LIAB | OUTLEG_PRN_LIQD | DEBIT |
| CUSTOMER | OUTLEG_PRN_LIQD | CREDIT |
| CONT_LIAB_OFS | OUTLEG_PRN_LIQD | CREDIT |
| CUSTOMER | TRMN_GAIN | DEBIT |
| CUSTOMER | TRMN_LOSS | CREDIT |
| TRMN_INC | TRMN_GAIN | CREDIT |
| TRMN_EXP | TRMN_LOSS | DEBIT |

A.4.8 DAMN: Contract Amendment

Table A-11 Accounting Entries

| Accounting Role | Amount Tag | Dr./Cr. |
|-----------------|-----------------|---------|
| CONT_ASSET | INLEG_PRN_DECR | CREDIT |
| CONT_ASSET_OFS | INLEG_PRN_DECR | DEBIT |
| CONT_ASSET | INLEG_PRN_INCR | DEBIT |
| CONT_ASSET_OFS | INLEG_PRN_INCR | CREDIT |
| CONT_LIAB | OUTLEG_PRN_DECR | DEBIT |

Table A-11 (Cont.) Accounting Entries

| Accounting Role | Amount Tag | Dr./Cr. |
|-----------------|-----------------|---------|
| CONT_LIAB_OFS | OUTLEG_PRN_DECR | CREDIT |
| CONT_LIAB | OUTLEG_PRN_INCR | CREDIT |
| CONT_LIAB_OFS | OUTLEG_PRN_INCR | DEBIT |

A.4.9 DIAC: Contract Interest Accrual

Table A-12 Accounting Entries

| Accounting Role | Amount Tag | Dr./Cr. |
|-----------------|----------------|---------|
| DV_IN_INT_INC | DV_IN_INT_IAC | CREDIT |
| DV_IN_INT_RIA | DV_IN_INT_IAC | DEBIT |
| DV_IN_INT_INC | DV_IN_INT_RAC | CREDIT |
| DV_IN_INT_REC | DV_IN_INT_RAC | DEBIT |
| DV_OUT_INT_EXP | DV_OUT_INT_EAC | DEBIT |
| DV_OUT_INT_PIA | DV_OUT_INT_EAC | CREDIT |
| DV_OUT_INT_EXP | DV_OUT_INT_PAC | DEBIT |
| DV_OUT_INT_PAY | DV_OUT_INT_PAC | CREDIT |

A.4.10 DRVL: Contract Revaluation

Table A-13 Accounting Entries

| Accounting Role | Amount Tag | Dr./Cr. |
|-----------------|----------------|---------|
| CONT_FAIR_VAL | CUR_INRVL_PAY | CREDIT |
| INLEG_RVL_EXP | CUR_INRVL_PAY | DEBIT |
| CONT_FAIR_VAL | CUR_INRVL_REC | DEBIT |
| INLEG_RVL_INC | CUR_INRVL_REC | CREDIT |
| CONT_FAIR_VAL | CUR_NETRVL_INC | CREDIT |
| NET_RVL_EXP | CUR_NETRVL_EXP | DEBIT |
| CONT_FAIR_VAL | CUR_NETRVL_INC | DEBIT |
| NET_RVL_INC | CUR_NETRVL_INC | CREDIT |
| CONT_FAIR_VAL | CUR_OUTRVL_PAY | CREDIT |
| OUTLEG_RVL_EXP | CUR_OUTRVL_PAY | DEBIT |
| CONT_FAIR_VAL | CUR_OUTRVL_REC | DEBIT |
| OUTLEG_RVL_INC | CUR_OUTRVL_REC | CREDIT |
| CONT_FAIR_VAL | PRV_INRVL_PAY | DEBIT |
| INLEG_RVL_EXP | PRV_INRVL_PAY | CREDIT |

Table A-13 (Cont.) Accounting Entries

| Accounting Role | Amount Tag | Dr./Cr. |
|-----------------|----------------|---------|
| CONT_FAIR_VAL | PRV_INRVL_REC | CREDIT |
| INLEG_RVL_INC | PRV_INRVL_REC | DEBIT |
| CONT_FAIR_VAL | PRV_NETRVL_EXP | DEBIT |
| NET_RVL_EXP | PRV_NETRVL_EXP | CREDIT |
| CONT_FAIR_VAL | PRV_NETRVL_INC | CREDIT |
| NET_RVL_INC | PRV_NETRVL_INC | DEBIT |
| CONT_FAIR_VAL | PRV_OUTRVL_PAY | DEBIT |
| OUTLEG_RVL_EXP | PRV_OUTRVL_PAY | CREDIT |
| CONT_FAIR_VAL | PRV_OUTRVL_REC | CREDIT |
| OUTLEG_RVL_INC | PRV_OUTRVL_REC | DEBIT |

A.4.11 DTAM: Contract Termination Amortization

Table A-14 Accounting Entries

| Accounting Role | Amount Tag | Dr./Cr. |
|-----------------|----------------|---------|
| TRMN_EXP | TRMN_EXP_AMORT | DEBIT |
| TRMN_LOSS_DEF | TRMN_EXP_AMORT | CREDIT |
| TRMN_GAIN_DEF | TRMN_INC_AMORT | DEBIT |
| TRMN_INC | TRMN_INC_AMORT | CREDIT |

A.4.12 DRRL: Contract Revaluation Reversal

Case I – Next Day in BOD (when next day is not the beginning of a new financial year) or at the time of the next revaluation.

Table A-15 Accounting Entries

| Accounting Role | Amount Tag | Debit /Credit |
|-----------------------|----------------|---------------|
| INLEG_RVL_INC | PRV_INRVL_REC | Debit |
| CONT_FAIR_VAL | PRV_INRVL_REC | Credit |
| CONT_FAIR_VAL | PRV_INRVL_PAY | Debit |
| INLEG_RVL_EXP | PRV_INRVL_PAY | Credit |
| Outleg Entries | - | - |
| OUTLEG_RVL_INC | PRV_OUTRVL_REC | Debit |
| CONT_FAIR_VAL | PRV_OUTRVL_REC | Credit |
| CONT_FAIR_VAL | PRV_OUTRVL_PAY | Debit |
| OUTLEG_RVL_-EXP | PRV_OUTRVL_PAY | Credit |

Table A-15 (Cont.) Accounting Entries

| Accounting Role | Amount Tag | Debit /Credit |
|-----------------|----------------|---------------|
| NET_RVL_INC | PRV_NETRVL_INC | Debit |
| CONT_FAIR_VAL | PRV_NETRVL_INC | Credit |
| CONT_FAIR_VAL | PRV_NETRVL_EXP | Debit |
| NET_RVL_EXP | PRV_NETRVL_EXP | Credit |

Case II – Next Day during BOD (if the next day is the beginning of a new financial year).

Table A-16 Accounting Entries

| Accounting Role | Amount Tag | Debit /Credit |
|-----------------|-------------------|---------------|
| In-leg entries | - | - |
| INLEG_RVL_INC | PRV_INRVL_REC_PY | Debit |
| CONT_FAIR_VAL | PRV_INRVL_REC_PY | Credit |
| CONT_FAIR_VAL | PRV_INRVL_PAY_PY | Debit |
| INLEG_RVL_EXP | PRV_INRVL_PAY_PY | Credit |
| Out-leg Entries | - | - |
| OUTLEG_RVL_INC | PRV_OUTRVL_REC_PY | Debit |
| CONT_FAIR_VAL | PRV_OUTRVL_REC_PY | Credit |
| CONT_FAIR_VAL | PRV_OUTRVL_PAY_PY | Debit |
| OUTLEG_RVL_-EXP | PRV_OUTRVL_PAY_PY | Credit |
| NET_RVL_INC | PRV_NETRVL_INC_PY | Debit |
| CONT_FAIR_VAL | PRV_NETRVL_INC_PY | Credit |
| CONT_FAIR_VAL | PRV_NETRVL_EXP_PY | Debit |
| NET_RVL_EXP | PRV_NETRVL_EXP_PY | Credit |

For FRA contracts satisfying the following conditions, the accounting entries for the Interest Settlement (Cash and Accrual) and Interest Accrual events are given below with the help of an example.

Enable the Netting required option at the derivatives type level, and the required accrual must be either enabled or disabled for both the legs. An error message displays if this is not the case.

This applies only to FRA contracts having the following definition of the derivative type attached in the product:

- Check the required netting
- The payment method for both the in leg and out leg in advance.
- Principal Exchange required is No.
- Asynchronous Interest schedules are not allowed.
- Asynchronous Revision schedules are not allowed.

For example, An FRA contract has DV_IN_INT as the In Leg interest component and DV_OUT_INT as the Out Leg interest component. The deal is settled on Value Date with the following values for interest components:

Rounded amounts before netting

Table A-17 Interest Component Values

| Contract | Amount |
|--------------|------------------|
| DV_IN_INT = | USD57.9818955567 |
| DV_OUT_INT = | USD32.1851185555 |

Table A-18 Net Interest Income

| Contract | Amount |
|--------------|-----------|
| DV_IN_INT = | USD 57.98 |
| DV_OUT_INT = | USD 32.19 |

The Net Interest income is 57.98 – 32.19 = USD 25.79.

Table A-19 Case I - Settlement on Cash basis

| Debit/Credit | Accounting Role | Amount Tag | Amount |
|--------------|-----------------|--------------|-----------|
| Debit | Customer | NET_INT_INCC | USD 25.79 |
| Credit | NET_INT_INC | NET_INT_INCC | USD 25.79 |

Table A-20 Case II - Settlement on Accrual basis

| Debit/Credit | Accounting Role | Amount Tag | Amount |
|--------------|-----------------|--------------|-----------|
| Debit | Customer | NET_INT_INCA | USD 25.79 |
| Credit | NET_INT_RIA | NET_INT_INCA | USD 25.79 |

Accruals for In and Out Leg are performed separately. The In Leg accrued amount for the above deal is USD 5.25 and the Out Leg accrued amount is USD 3.47. The deal has made a net profit since the inflow is more than the outflow.

Entries passed during Contract Interest Accrual (DIAC) are given below.

Table A-21 Contract Interest Accrual (DIAC)

| Debit/ Credit | Accounting Role | Amount Tag | Amount |
|---------------|-----------------|--------------------|----------|
| Debit | NET_INT_RIA | DV_IN_INT_IAC_NPRF | USD 5.25 |
| Credit | NET_INT_INC | DV_IN_INT_IAC_NPRF | USD 5.25 |
| Debit | NET_INT_INC | DV_IN_INT_IAC_NPRF | USD 3.47 |
| Credit | NET_INT_RIA | DV_IN_INT_IAC_NPRF | USD 3.47 |

 **Note:**

Component_IAC/EAC_NLSS/NPRF tags for each of the interest components are created automatically on the creation of a new interest class.

B

Error Message for Derivative

This topic describes the error code and messages for Derivative module.

Table B-1 Error Codes and Messages

| Error Code | Function ID | Message |
|------------|-------------|--|
| DV-RVN-001 | DVRESET0 | Unexercised Exception while processing rate revision. |
| DV-ADV-001 | DVADVSRV | Unhandled exception while processing messages to be generated. |
| DV-AML-001 | DVAMLSRV | Unhandled exception during message generation for FRA confirmation. |
| DV-AML-002 | DVAMLSRV | This message cannot be sent for this contract |
| DV-AML-003 | DVAMLSRV | This message cannot be sent for this contract |
| DV-AML-004 | DVAMLSRV | Unhandled exception while generating message for Rate Swap confirmation. |
| DV-AML-005 | DVAMLSRV | Unhandled exception while generating message for contract assignment. |
| DV-AML-006 | DVAMLSRV | Unhandled exception while getting in leg details. |
| DV-AML-007 | DVAMLSRV | Unhandled exception while getting out leg details. |
| DV-AML-008 | DVAMLSRV | Unhandled exception while getting in leg details. |
| DV-AML-009 | DVAMLSRV | Unhandled exception while getting out leg details. |
| DV-AML-010 | DVAMLSRV | Unhandled exception while getting the general terms of the contract. |
| DV-AML-011 | DVAMLSRV | Unhandled exception while getting sender and receiver addresses. |
| DV-AML-012 | DVAMLSRV | unhandled exception while getting broker details |
| DV-AML-013 | DVAMLSRV | Unhandled exception while getting agreement details. |
| DV-AML-014 | DVAMLSRV | Unhandled exception while getting payment dates. |
| DV-AML-015 | DVAMLSRV | Unhandled exception while getting payment dates. |
| DV-AML-016 | DVAMLSRV | Unhandled exception while getting reset dates. |
| DV-AML-017 | DVAMLSRV | Unhandled exception while getting compounding dates. |
| DV-AML-018 | DVAMLSRV | Unhandled exception while getting settlement details. |
| DV-AML-019 | DVAMLSRV | Unhandled exception while getting account details. |
| DV-AML-020 | DVAMLSRV | Unhandled exception while processing a tag. |
| DV-AMR-002 | DVAMORT0 | Product is not Open. |
| DV-AMR-003 | DVAMORT0 | Product is not Authorizes. |
| DV-AMR-004 | DVAMORT0 | Product is not Open. |
| DV-AMR-005 | DVAMORT0 | Product is not Authorizes. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|--|
| DV-AMR-011 | DVAMORT0 | Unhandled exception while obtaining the periodic amort date. |
| DV-AMR-021 | DVAMORT0 | Unhandled exception while processing periodic inception amort. |
| DV-AMR-031 | DVAMORT0 | Unhandled exception while processing periodic termination amort. |
| DV-AMR-101 | DVAMORT1 | Unhandled exception while processing for a contract. |
| DV-AMR-102 | DVAMORT1 | Failed to round the amount. |
| DV-AMR-103 | DVAMORT1 | Failed to round the amount. |
| DV-AMR-121 | DVAMORT1 | Unhandled exception while populating a product amort. |
| DV-AMR-131 | DVAMORT1 | Unhandled exception while populating a product amort. |
| DV-AMR-132 | DVAMORT1 | No data found for periodic amortization details. |
| DV-AMR-141 | DVAMORT1 | Unhandled exception while populating amort master. |
| DV-AMR-151 | DVAMORT1 | Unhandled exception while populating product entry. |
| DV-AMR-161 | DVAMORT1 | Unhandled exception while building accounting entry. |
| DV-AMR-171 | DVAMORT1 | Unhandled exception while processing for amount tag. |
| DV-AUT-001 | DVCCOATH | Unhandled exception while authorizing the Contract. |
| DV-AUT-002 | DVCCOATH | Maker cannot Authorize the Contract. |
| DV-AUT-003 | DVCCOATH | Rekey Field In Leg Currency is incorrect. |
| DV-AUT-004 | DVCCOATH | Rekey Field Out Leg Currency is incorrect. |
| DV-AUT-005 | DVCCOATH | Rekey Field In Leg Principal Amount is incorrect |
| DV-AUT-006 | DVCCOATH | Rekey Field Out Leg Principal Amount is incorrect. |
| DV-AUT-007 | DVCCOATH | Rekey Field Value Date is Incorrect. |
| DV-AUT-008 | DVCCOATH | Rekey Field Maturity Date is Incorrect. |
| DV-AUT-009 | DVCCOATH | Override(s) are not confirmed. |
| DV-AUT-010 | DVCCOATH | Do You Want to Continue Authorization. |
| DV-AUT-012 | DVCCOATH | Failed to authorize the contract. |
| DV-BCH-001 | DVBCHSRV | Unhandled exception while preparing for batch. |
| DV-BCH-002 | DVBCHSRV | Batch is configured as Mandatory Function in invalid End of Cycle Group. |
| DV-BCH-005 | DVBCHSRV | Unhandled exception while obtaining the process till date. |
| DV-BCH-011 | DVBCHSRV | Unhandled exception while checking program status. |
| DV-BCH-012 | DVBCHSRV | Batch already processed. |
| DV-BCH-013 | DVBCHSRV | Predecessor Functions to Batch are pending. |
| DV-BCH-021 | DVBATCH | Unhandled Exception while calculating the process till date. |
| DV-BCH-022 | DVBCHSRV | Branch Parameters not maintained for Derivatives. |
| DV-BCH-031 | DVBCHSRV | Unhandled exception while obtaining the Period End Date. |
| DV-BCH-032 | DVBCHSRV | Failed to obtain the Period End date for the Branch. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|--|
| DV-BCH-041 | DVBCHSRV | Unhandled exception while preparing for batch. |
| DV-BCH-051 | DVBCHSRV | Unhandled exception while preparing for batch. |
| DV-BCH-061 | DVBCHSRV | Unhandled exception while preparing for batch. |
| DV-BCH-071 | DVBCHSRV | Unhandled exception while processing batch. |
| DV-BCH-081 | DVBCHSRV | Unhandled exception while processing batch. |
| DV-BCH-091 | DVBCHSRV | Unhandled exception while processing batch. |
| DV-BCH-101 | DVBCHSRV | Unhandled exception while unmarking End of Transaction Input. |
| DV-BCH-111 | DVBATCH | Unhandled Exception while processing Batch. |
| DV-CEV-001 | DVCNTEV0 | Unhandled Exception While Processing The Booking Event. |
| DV-CEV-011 | DVCNTEV0 | Unhandled Exception While Processing the revision Event. |
| DV-CEV-021 | DVCNTEV0 | Unhandled Exception While Processing the initiation Event. |
| DV-CEV-031 | DVCNTEV0 | Unhandled Exception While Amortizing Inception Value. |
| DV-CEV-041 | DVCNTEV0 | Unhandled Exception While Processing the Liquidation Event. |
| DV-CEV-051 | DVCNTEV0 | Unhandled Exception While Accruing Interest. |
| DV-CEV-061 | DVCNTEV0 | Unhandled Exception While Processing Termination Event. |
| DV-CEV-071 | DVCNTEV0 | Unhandled Exception While building tags for Booking Event. |
| DV-CEV-081 | DVCNTEV0 | Unhandled Exception While building tags for Initiation Event. |
| DV-CEV-091 | DVCNTEV0 | Unhandled Exception While building tags for Termination Event. |
| DV-CSR-001 | DVCNS-RV0 | Unhandled Exception While registering a event. |
| DV-CSR-002 | DVCNS-RV0 | Inconsistent Database. No record found for the contract in contract table. |
| DV-CSR-011 | DVCNS-RV0 | Unhandled Exception While Locking the Record. |
| DV-CSR-021 | DVCNS-RV0 | Unhandled Exception While authorizing the Contract.s |
| DV-CSR-022 | DVCNS-RV0 | Unable to obtain Contract Lock. |
| DV-CSR-101 | DVCNSRV1 | Unhandled Exception While Saving the contract. |
| DV-CSR-102 | DVCNSRV1 | The Value Date \$1 is within the Product Start Date \$2 and the Product End Date \$3. |
| DV-CSR-103 | DVCNSRV1 | The Maturity Date \$1 is within the Product Start Date \$2 and the Product End Date \$3. |
| DV-CSR-104 | DVCNSRV1 | The Exchange Rate exceeds the allowed Maximum Variance \$1 %. |
| DV-CSR-105 | DVCNSRV1 | The Exchange Rate exceeds the allowed Normal Variance \$1 %. |
| DV-CSR-106 | DVCNSRV1 | In Leg Principal Details are Defaulted. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|--|
| DV-CSR-107 | DVCNSRV1 | Out Leg Principal Details are Defaulted. |
| DV-CSR-108 | DVCNSRV1 | In Leg Interest Details are Defaulted. |
| DV-CSR-109 | DVCNSRV1 | Out Leg Interest Details are Defaulted. |
| DV-CSR-110 | DVCNSRV1 | Brokerage Details Defaulted. |
| DV-CSR-110 | DVCNSRV1 | Brokerage Details Defaulted. |
| DV-CSR-112 | DVCNSRV1 | Advice Details Defaulted. |
| DV-CSR-113 | DVCNSRV1 | User Defined Fields Defaulted. |
| DV-CSR-114 | DVCNSRV1 | Charges Defaulted. |
| DV-CSR-115 | DVCNSRV1 | MIS Details D defaulted |
| DV-CSR-116 | DVCNSRV1 | Settlement Details Defaulted. |
| DV-CSR-117 | DVCNSRV1 | Tax Details defaulted |
| DV-CSR-118 | DVCNSRV1 | For event \$1 no receiver id given for message type \$2. |
| DV-CSR-121 | DVCNSRV1 | Unhandled Exception while defaulting interest details. |
| DV-CSR-122 | DVCNSRV1 | For the component \$1 the spread \$2 is less than the allowed minimum spread \$3. |
| DV-CSR-123 | DVCNSRV1 | For the Component \$1 the spread \$2 is more than the allowed spread \$3. |
| DV-CSR-124 | DVCNSRV1 | For the component \$1 the Interest rate Cannot be NULL. |
| DV-CSR-125 | DVCNSRV1 | For the component \$1 the Interest rate \$2 is less than the allowed minimum rate \$3. |
| DV-CSR-126 | DVCNSRV1 | For the component \$1 the Interest Rate \$2 is more than the allowed maximum rate \$3. |
| DV-CSR-127 | DVCNSRV1 | For this Counterparty \$1 the Line Code \$2 is not allowed. |
| DV-CSR-128 | DVCNSRV1 | For this Product \$1 the Line Code \$2 is not allowed. |
| DV-CSR-129 | DVCNSRV1 | For this Branch \$1 the Line Code \$2 is not allowed. |
| DV-CSR-130 | DVCNSRV1 | For this Base Currency \$1 the Line Code \$2 is not allowed. |
| DV-CSR-201 | DVCNSRV2 | Unhandled Exception while deleting the contract. |
| DV-CSR-202 | DVCNSRV2 | Error While Deleting the MIS details. |
| DV-CSR-211 | DVCNSRV2 | Unhandled Exception while amending the contract. |
| DV-CSR-221 | DVCNSRV2 | Unhandled Exception while copying the Contract. |
| DV-CSR-222 | DVCNSRV2 | Product is not Valid. |
| DV-CSR-223 | DVCNSRV2 | No Primary Interest component defined for the In Leg. |
| DV-CSR-223 | DVCNSRV2 | No Primary Interest component defined for the In Leg. |
| DV-CSR-224 | DVCNSRV2 | No Primary Interest component defined for the Out leg. |
| DV-CSR-225 | DVCNSRV2 | Error While copying the MIS details. |
| DV-CSR-231 | DVCNSRV2 | Unhandled Exception while reversing the contract. |
| DV-CSR-232 | DVCNSRV2 | Unable to obtain Contract Lock. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|--|
| DV-CSR-241 | DVCNSRV2 | Unhandled Exception while reversing the AccountingEntries. |
| DV-CSR-251 | DVCNSRV2 | Unhandled Exception while populating the handoff table. |
| DV-CSR-261 | DVCNSRV2 | Unhandled Exception on handoff of accounting Entries. |
| DV-FRQ-001 | DVDTRONL | Compounding frequency should not be greater than or equal to Schedule frequency. |
| DV-IAC-001 | DVACCR | Unhandled Exception while building the queue array. |
| DV-IAC-011 | DVACCR | Unhandled Exception while calculating the periodic accrual date. |
| DV-IAC-021 | DVACCR | Unhandled Exception while processing periodic interestaccrual. |
| DV-IAC-101 | DVACCR | Unhandled Exception while accruing for a contract. |
| DV-IAC-021 | DVACCR | Unhandled Exception while calculating the accrual amount. |
| DV-IAC-101 | DVACCR | Unhandled Exception while accruing for a contract. |
| DV-IAC-021 | DVACCR | Unhandled Exception while processing periodic interest accrual. |
| DV-IAC-101 | DVACCR | Unhandled Exception while accruing for a contract. |
| DV-IAC-121 | DVACCR | Unhandled Exception while calculating the accrual amount. |
| DV-IAC-122 | DVACCR | Reset not done for interest rates. |
| DV-IAC-123 | DVACCR | No discount rate obtained for the interest component. |
| DV-IAC-124 | DVACCR | For Component \$1 liquidation for the past period is pending. |
| DV-IAC-131 | DVACCR | Unhandled exception while processing product level accrual. |
| DV-IAC-141 | DVACCR | Unhandled Exception when processing interest accrual. |
| DV-IAC-142 | DVACCR | No data found for the current product code. |
| DV-IAC-151 | DVACCR | Unhandled exception while processing interest accrual. |
| DV-IAC-161 | DVACCR | Unhandled exception while processing interest accrual. |
| DV-IAC-171 | DVACCR | Unhandled exception while processing interest accrual. |
| DV-IAC-172 | DVACCR | No data found for the current contract ref no. |
| DV-IAC-191 | DVACCR | Unhandled exception while processing the amount tags. |
| DV-ICA-001 | DVINTCAL | Unhandled exception while computing Interest Amount. |
| DV-ICA-002 | DVINTCAL | Failed to round the Interest Amount. |
| DV-ICA-011 | DVINTCAL | Unhandled exception while computing Discount Amount. |
| DV-ICA-012 | DVINTCAL | Failed to round the Discount Amount. |
| DV-ICA-021 | DVINTCAL | Unhandled exception while computing Discount Amount. |
| DV-ICA-022 | DVINTCAL | Failed to round the Discount Amount. |
| DV-ICA-011 | DVINTCAL | Unhandled exception while computing Discount Amount. |
| DV-ICA-012 | DVINTCAL | Failed to round the Discount Amount. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|--|
| DV-ICA-021 | DVINTCAL | Unhandled exception while computing Discount Amount. |
| DV-ICA-022 | DVINTCAL | Failed to round the Discount Amount. |
| DV-ICA-031 | DVINTCAL | Unhandled Exception while calculating the interest amount. |
| DV-ICA-041 | DVINTCAL | Unhandled Exception while calculating the interest amount. |
| DV-ICA-051 | DVINTCAL | Unhandled Exception while calculating the interest amount. |
| DV-ICA-061 | DVINTCAL | Unhandled Exception while calculating the interest amount. |
| DV-INT-001 | DVDINDET | Unhandled exception while validating the Start Date. |
| DV-INT-002 | DVDINDET | Start Date Cannot be before the application Date. |
| DV-INT-003 | DVDINDET | Start Date Cannot be before the Value Date. |
| DV-INT-004 | DVDINDET | Start Date Cannot be before the Maturity Date. |
| DV-INT-005 | DVDINDET | Schedule Date is not Unique. |
| DV-INT-011 | DVDINDET | Unhandled exception while validating the Schedule. |
| DV-INT-012 | DVDINDET | Mandatory field Start Date is NULL. |
| DV-INT-013 | DVDINDET | Mandatory field Start Date is NULL. |
| DV-INT-014 | DVDINDET | Mandatory field Frequency Unit is NULL. |
| DV-INT-015 | DVDINDET | Mandatory field No of Schedules is NULL. |
| DV-INT-016 | DVDINDET | Mandatory field Amount is NULL. |
| DV-INT-021 | DVDINDET | Unhandled exception while amending the Schedules. |
| DV-INT-031 | DVDINDET | Unhandled exception while amending the Schedules. |
| DV-INT-041 | DVDINDET | Unhandled exception while amending the Schedules. |
| DV-INT-051 | DVDINDET | Unhandled exception while amending the Schedules. |
| DV-INT-061 | DVDINDET | Unhandled exception while amending the Schedules. |
| DV-INT-071 | DVDINDET | Unhandled exception while amending the Schedules. |
| DV-INT-072 | DVDINDET | Mandatory field Discount Rate is NULL. |
| DV-INT-073 | DVDINDET | Mandatory field Discount Floating Component is NULL. |
| DV-INT-074 | DVDINDET | Mandatory field Discount Floating Component is NULL. |
| DV-INT-075 | DVDINDET | Mandatory field Discount Floating Component is NULL. |
| DV-INT-76 | DVDINDET | Mandatory field Discount Floating Component is NULL. |
| DV-INT-077 | DVDINDET | Mandatory field Discount Floating Component is NULL. |
| DV-INT-078 | DVDINDET | Mandatory field Interest Rate is NULL. |
| DV-INT-079 | DVDINDET | Mandatory field Interest Rate Code is NULL. |
| DV-INT-080 | DVDINDET | Mandatory field Interest Rate Source is NULL. |
| DV-INT-082 | DVDINDET | Mandatory field Interest Tenor Code is NULL. |
| DV-INT-083 | DVDINDET | Mandatory field Interest Rate Spread is NULL. |
| DV-INT-084 | DVDINDET | Mandatory field Interest Rate Spread is NULL. |
| DV-INT-091 | DVDINDET | Unhandled exception while validating the Schedules. |
| DV-INT-092 | DVDINDET | Mandatory field Schedule Holiday Currency is NULL. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|--|
| DV-INT-093 | DVDINDET | Mandatory field Schedule Financial Center is NULL. |
| DV-INT-101 | DVDINDET | Unhandled exception while validating revision schedules |
| DV-INT-102 | DVDINDET | Mandatory field Revision Holiday Currency is NULL. |
| DV-INT-103 | DVDINDET | Mandatory field Revision Financial Center is NULL |
| DV-INT-104 | DVDINDET | Mandatory field Reset Date movement Days is NULL. |
| DV-INT-105 | DVDINDET | Mandatory field Reset Date Holiday Currency is NULL. |
| DV-INT-106 | DVDINDET | Mandatory field Reset Date Financial Center is NULL. |
| DV-INT-111 | DVDINDET | Unhandled exception while defaulting the schedules. |
| DV-INT-121 | DVDINDET | Unhandled exception while defaulting the schedules. |
| DV-ISR-001 | DVINTSRV | Unhandled Exception while defaulting for a event. |
| DV-ISR-011 | DVINTSRV | Unhandled Exception While picking up currency rates. |
| DV-ISR-021 | DVINTSRV | Unhandled Exception While referring Contract Associations. |
| DV-ISR-031 | DVINTSRV | Unhandled Exception While fetching floating Rates. |
| DV-ISR-032 | DVINTSRV | Rate Code Selection is not Valid. |
| DV-ISR-033 | DVINTSRV | Rate Code maintenance is Unauthorized. |
| DV-ISR-034 | DVINTSRV | The Selected Rate Code is Closed. |
| DV-ISR-035 | DVINTSRV | No Rate Details are found. Inconsistent Database. |
| DV-LM-0001 | DVLIMITS | The Issuer Limits details are incomplete. Complete/ Delete the Issuer Limits details. |
| DV-LM-0002 | DVLIMITS | The Line Code is not a Limits Template. |
| V-LM-0003 | DVLIMITS | The Line Code is not entered. |
| DV-LM-00004 | DVLIMITS | The Line Code is not entered. |
| DV-LM-00005 | DVLIMITS | The Line Start Date cannot be later than the Line ExpiryDate. |
| DV-LM-00006 | DVLIMITS | The Last Available Date cannot be later than the Line Expiry Date. |
| DV-LM-00007 | DVLIMITS | The Line Currency is not entered. |
| DV-LM-00008 | DVLIMITS | This Tenor has been maintained for the Limit. |
| DV-LM-00009 | DVLIMITS | The Tenor details are incomplete. Complete/Delete the Tenor details. |
| DV-LM-00010 | DVLIMITS | The Products Allowed details are incomplete. Complete/ Delete the Products Allowed details. |
| DV-LM-00011 | DVLIMITS | The Branches Allowed details are incomplete. Complete/ Delete the Branches Allowed details. |
| DV-LM-00012 | DVLIMITS | The Last Available Date cannot be less than the Line Start Date. |
| DV-LM-00013 | DVLIMITS | The Customers Allowed details are incomplete. Complete/ Delete the Customers Allowed details. |
| DV-LM-00014 | DVLIMITS | The Tenor Limit Amount exceeds the Line Limit Amount. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|---|
| DV-LM-00015 | DVLIMITS | The Sub Line Tenor Limit Amount cannot be greater than the next higher Main Line Tenor Limit Amount. \$1 - \$2. |
| DV-LM-00016 | DVLIMITS | The Sub Line Tenor cannot be greater than Maximum Main Line Tenor. \$1 Days. |
| DV-LM-00017 | DVLIMITS | There are no Tenors specified for the Main Line. |
| DV-LM-00018 | DVLIMITS | The Line Code is Limits Template. Details will be copied from template. Continue? |
| DV-LM-00019 | DVLIMITS | The Sub Line Limit cannot exceed the Main Line Limit. \$1-\$2. |
| DV-LM-00020 | DVLIMITS | The Main Line Limit cannot be less than any of its Sub Line Limit. \$1 -\$2. |
| DV-LM-00021 | DVLIMITS | The Main Line Tenor cannot be Less than the Minimum Tenor of any Sub Lines reporting to it. - \$1 Days. |
| DV-LM-00022 | DVLIMITS | The Main Line Tenor Limit Amount cannot be less than the next lower Sub Line Tenor Limit Amount. \$1 - \$2. |
| DV-LM-00023 | DVLIMITS | The Limits Copy could not be completed. |
| DV-LM-00024 | DVLIMITS | Blank spaces cannot be a part of this field. |
| DV-LM-00025 | DVLIMITS | The Line Code has have nine characters. |
| DV-LM-00026 | DVLIMITS | The Tenor Mnemonic is not entered. |
| DV-LM-00027 | DVLIMITS | The Limit is not entered. |
| DV-LM-00028 | DVLIMITS | The Collateral Start Date cannot be later than the Collateral Expiry Date. |
| DV-LM-00029 | DVLIMITS | The Margin computed is not between 0 and 100. |
| DV-LM-00030 | DVLIMITS | The Collateral Currency is not entered. |
| DV-LM-00031 | DVLIMITS | The Collateral Type is not entered. |
| DV-LM-00032 | DVLIMITS | The Collateral Review Date cannot be later than the Collateral Expiry Date. |
| DV-LM-00033 | DVLIMITS | The Collateral Review Date cannot be earlier than Collateral Start Date. |
| DV-LM-00034 | DVLIMITS | The Expiry Date cannot be earlier than Start Date. |
| DV-LM-00035 | DVLIMITS | The Security Code is not entered. |
| DV-LM-00036 | DVLIMITS | The Security Type is not entered. |
| DV-LM-00037 | DVLIMITS | The Currency is not entered. |
| DV-LM-00038 | DVLIMITS | The Market Price Details are incomplete. Complete / Delete the Market Price Details. |
| DV-LM-00039 | DVLIMITS | The Line Code is not entered. |
| DV-LM-00040 | DVLIMITS | The computed exposure is not between 1 and 100. |
| DV-LM-00041 | DVLIMITS | There are Active Sub Lines reporting to this Main Line. Main Line cannot be closed. |
| DV-LM-00042 | DVLIMITS | The Last Price Change Date cannot be greater than Branch Date. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|--|
| DV-LM-00043 | DVLIMITS | The Security Code is not entered for the MVBC. |
| DV-LM-00044 | DVLIMITS | The Price Code is not entered for the MVBC. |
| DV-LM-00045 | DVLIMITS | The Number Of Units is not entered for the MVBC. |
| DV-LM-00046 | DVLIMITS | The Collateral Ccy is not entered for the Collateral. |
| DV-LM-00047 | DVLIMITS | Security Code has not been entered. |
| DV-LM-00048 | DVLIMITS | The Issuer Exposure Details are incomplete. Complete/ Delete the Issuer Exposure Details. |
| DV-LM-00049 | DVLIMITS | The Start Date cannot be greater than the Branch Date. |
| DV-LM-00050 | DVLIMITS | The Last Price Change Date cannot be earlier than Start Date. |
| DV-LM-00051 | DVLIMITS | The Expiry Date cannot be earlier than Branch Date. |
| DV-LM-00052 | DVLIMITS | The Last Price Change Date cannot later than Expiry Date. |
| DV-LM-00053 | DVLIMITS | The Description is not entered. |
| DV-LM-00054 | DVLIMITS | The Face Value is not entered. |
| DV-LM-00055 | DVLIMITS | The Limit Contribution cannot be greater than the CapAmount. |
| DV-LM-00056 | DVLIMITS | Report date is greater than the date today. |
| DV-LM-00057 | DVLIMITS | The Total Issuer Exposure should be greater than 100 %. |
| DV-LM-00058 | DVLIMITS | Collaterals exist with the Issuer Code. Record cannot be closed. |
| DV-LM-00059 | DVLIMITS | Securities exist with the Issuer Code. Record cannot be closed. |
| DV-LM-00060 | DVLIMITS | There are Collaterals linked to this Limit. Record cannot be closed. |
| DV-LM-00061 | DVLIMITS | There are Collaterals linked to this Security. Record cannot be closed. |
| DV-LM-00062 | DVLIMITS | There are Collaterals linked to this Price Code. Record cannot be closed |
| DV-LM-00063 | DVLIMITS | There are Collaterals linked to this Collateral Type. Record cannot be deleted. |
| DV-LM-00064 | DVLIMITS | This Facility is not available at this Branch. |
| DV-LM-00065 | DVLIMITS | No Details exist for the Reference Number. |
| DV-LM-00066 | DVLIMITS | Customer Clean Risk Limit cannot be greater than Liability Clean Risk Limit. |
| DV-LM-00067 | DVLIMITS | Customer Clean Risk Limit cannot be greater than Overall Limit. |
| DV-LM-00068 | DVLIMITS | Liability Clean Risk Limit cannot be greater than OverallLimit. |
| DV-LM-00069 | DVLIMITS | Limit Currency is not Entered. |
| DV-LM-00070 | DVLIMITS | Overall Limit is not Entered. |
| DV-LM-00071 | DVLIMITS | Liability Clean Risk Limit is not Entered. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|---|
| DV-LM-00100 | DVLIMITS | Line Not Authorized. |
| DV-LM-00101 | DVLIMITS | Line Closed. |
| DV-LM-00102 | DVLIMITS | Line Not Found. |
| DV-LM-00103 | DVLIMITS | Invalid Customer ID. |
| DV-LM-00104 | DVLIMITS | Liability ID. Not Specified. |
| DV-LM-00105 | DVLIMITS | Account ID. Not specified. |
| DV-LM-00106 | DVLIMITS | Reference ID. Not specified. |
| DV-LM-00107 | DVLIMITS | Amount tag not specified. |
| DV-LM-00108 | DVLIMITS | Amount tag not specified. |
| DV-LM-00109 | DVLIMITS | Currency not specified. |
| DV-LM-00110 | DVLIMITS | Branch not specified. |
| DV-LM-00111 | DVLIMITS | Line \$1 - Amount exceeds Limit for specified tenor by \$2. |
| DV-LM-00112 | DVLIMITS | Line \$1 - Amount exceeds all available tenor limits by \$2 \$3 \$3. |
| DV-LM-00113 | DVLIMITS | Line \$1 - Amount exceeds line limit. Limit = \$3 \$2. Utilization = \$4 \$2. Overdraft = \$5 \$2%Overdraft = \$6. |
| DV-LM-00114 | DVLIMITS | Main Line \$1 - Amount exceeds Main line limit amount. Limit = \$3 \$2. Utilization = \$4 \$2. Overdraft = \$5 \$2%Overdraft = \$6. |
| DV-LM-00115 | DVLIMITS | Line has matured. |
| DV-LM-00116 | DVLIMITS | Line not available. |
| DV-LM-00117 | DVLIMITS | Amount exceeds limit for liability \$1. Limit = \$3 \$2 Utilization = \$4 \$2 Overdraft = \$5 \$2%Overdraft = \$6. |
| DV-LM-00200 | DVLIMITS | Clean risk limit exceeded for Customer \$1 On \$2. Limit = \$4 \$3. |
| DV-LM-00201 | DVLIMITS | Clean risk limit exceeded for Liability \$1 On \$2. Limit = \$4\$3. |
| DV-LM-00202 | DVLIMITS | Date input is a holiday. Do you want to continue? |
| DV-LM-99998 | DVLIMITS | Limits: Node \$1 Unavailable. Utilization's will be updated later. |
| DV-LM-99999 | DVLIMITS | Limits Service - Unexpected Error - \$1. |
| DV-MNT-001 | DVMNT | Failed to create a new record. |
| DV-MNT-002 | DVMNT | Failed to create a new record. |
| DV-MNT-003 | DVMNT | Do you want to delete the record? |
| DV-MNT-004 | DVMNT | Record successfully deleted. |
| DV-MNT-005 | DVMNT | Failed to delete the record. |
| DV-MNT-006 | DVMNT | Failed to delete the record. |
| DV-MNT-007 | DVMNT | Do you want to close the record? |
| DV-MNT-008 | DVMNT | Unauthorized records can not be closed. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|--|
| DV-MNT-009 | DVMNT | Record successfully closed. |
| DV-MNT-010 | DVMNT | Failed to close the record. |
| DV-MNT-011 | DVMNT | Failed to close the record. |
| DV-MNT-012 | DVMNT | Failed to unlock the record. |
| DV-MNT-013 | DVMNT | Failed to unlock the record. |
| DV-MNT-014 | DVMNT | Do you want to reopen the record? |
| DV-MNT-015 | DVMNT | Record successfully reopened. |
| DV-MNT-016 | DVMNT | Failed to reopen the record. |
| DV-MNT-017 | DVMNT | Failed to reopen the record. |
| DV-MNT-018 | DVMNT | Failed to save the record. |
| DV-MNT-019 | DVMNT | Failed to save the record. |
| DV-MNT-020 | DVMNT | Unhandled exception while saving the record. |
| DV-MNT-021 | DVMNT | Failed to save the record. |
| DV-MNT-022 | DVMNT | Failed to save the record. |
| DV-MNT-023 | DVMNT | Failed to save the record. |
| DV-MNT-024 | DVMNT | Failed to save the record. |
| DV-MNT-025 | DVMNT | Failed to save the record. |
| DV-MNT-026 | DVMNT | Do you want undo changes made to the record? |
| DV-MNT-101 | DVMNT | Mandatory Field Derivative Type is NULL. |
| DV-MNT-102 | DVMNT | Mandatory Field Type Description is NULL. |
| DV-MNT-103 | DVMNT | Derivative Type is not Unique. |
| DV-MNT-103 | DVMNT | Derivative Type is not Unique. |
| DV-MNT-104 | CFDRTSRC | Mandatory Field Rate Source is NULL. |
| DV-MNT-105 | CFDRTSRC | Rate Source is not Unique. |
| DV-MNT-106 | CFDRTSRC | Mandatory field Description is NULL. |
| DV-MNT-107 | STDCLMNT | Mandatory Field Clearing House is NULL |
| DV-MNT-108 | STDCLMNT | Clearing house is not Unique. |
| DV-MNT-109 | STDCLMNT | Mandatory Field Description is NULL. |
| DV-MNT-116 | DVDLMVAL | Mandatory fields cannot be null. |
| DV-MNT-201 | DVDCNVAL | Mandatory field Contract Ref No is NULL. |
| DV-MNT-202 | DVDCNVAL | Mandatory field Reval Date is NULL. |
| DV-MNT-203 | DVDCNVAL | Mandatory field In Fair Value is NULL. |
| DV-MNT-204 | DVDCNVAL | Mandatory field Out Fair Value is NULL. |
| DV-MNT-205 | DVDCNVAL | Mandatory field Net Fair Value is NULL. |
| DV-MNT-206 | DVDCNVAL | In and Out fair values are not synchronous with Net FairValue. |
| DV-MNT-207 | DVDCNVAL | No Data found for the Contract Ref No. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|--|
| DV-MNT-208 | DVDCNVAL | Reval Date should be before Next Working Date \$1. |
| DV-MNT-209 | DVDCNVAL | Reval Date should be after the previous reval date \$1. |
| DV-MNT-210 | DVDCNVAL | Reval Date already exists. |
| DV-MNT-215 | DVDCNRAT | Mandatory field Contract ref no is NULL. |
| DV-MNT-216 | DVDCNRAT | Mandatory field Reval Date is NULL. |
| DV-MNT-217 | DVDCNRAT | Mandatory field Interest rate is NULL. |
| DV-MNT-218 | DVDCNRAT | Reval Date cannot be greater than the next working day. |
| DV-MNT-219 | DVDCNRAT | Reval date cannot be less than the previous reval date. |
| DV-MNT-220 | DVDCNRAT | Reval Date already exists for this contract. |
| DV-MNT-230 | DVDBRRAT | Mandatory field Rate Code is NULL. |
| DV-MNT-231 | DVDBRRAT | Mandatory field Rate Code is NULL. |
| DV-MNT-232 | DVDBRRAT | Mandatory field Rate Code is NULL. |
| DV-MNT-233 | DVDBRRAT | Reval Date already exists. |
| DV-MNT-234 | DVDBRRAT | Reval Date should be before Next Working Date \$1. |
| DV-MNT-235 | DVDBRRAT | Mandatory field Currency code is NULL. |
| DV-MNT-236 | DVDBRRAT | Mandatory field Period start date is NULL. |
| DV-MNT-237 | DVDBRRAT | Mandatory field Period end date is NULL. |
| DV-MNT-238 | DVDBRRAT | Mandatory field Interest Rate is NULL. |
| DV-MNT-239 | DVDBRRAT | Record for this period already exists. |
| DV-MNT-240 | DVDBRRAT | Period Start Date can not be before Reval Date \$1. |
| DV-MNT-241 | DVDBRRAT | Period End Date should be after Period Start Date. |
| DV-MNT-252 | DVDCPMNT | Master Agreement Code is not Unique. |
| DV-MNT-253 | DVDCPMNT | Mandatory Field Master Agreement Code is NULL. |
| DV-MNT-254 | DVDCPMNT | Mandatory Fields are NULL. |
| DV-MNT-255 | DVDCPMNT | Active Contracts are existing for current Record. |
| DV-MNT-256 | DVDMGMNT | Mandatory Field Receiver ID / Medium is NULL. |
| DV-MNT-257 | DVDMGMNT | Receiver ID and Medium is not Unique. |
| DV-MNT-258 | DVDMGMNT | Message Type and CIF Id combination is not Unique. |
| DV-MNT-259 | DVDMGMNT | Message Type-CIF Id Combination is already defaulted. |
| DV-MNT-260 | DVDMGMNT | ALL-CIF Id Combination is already defaulted. |
| DV-MNT-301 | DVDPRMNT | Interest Not yet defined for product. Schedules will be incomplete. Continue?. |
| DV-MNT-302 | DVDPRMNT | Mandatory field Frequency Unit is NULL. |
| DV-MNT-303 | DVDPRMNT | Mandatory field Weekday is NULL. |
| DV-MNT-304 | DVDPRMNT | Mandatory field Start day is NULL. |
| DV-MNT-305 | DVDPRMNT | Mandatory field Start Month is NULL. |
| DV-MNT-306 | DVDPRMNT | Revaluation method cannot be NULL. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|--|
| DV-MNT-307 | DVDPRMNT | Mandatory field Denomination basis is NULL. |
| DV-MNT-308 | DVDPRMNT | Mandatory field Numerator method is NULL. |
| DV-MNT-309 | DVDPRMNT | Mandatory field Denominator method is NULL. |
| DV-MNT-310 | DVDPRMNT | For this derivative type only one IN interest component is allowed. |
| DV-MNT-311 | DVDPRMNT | For this derivative type only one OUT interest component is allowed. |
| DV-MNT-312 | DVDPRMNT | There should be one primary component for this derivative type |
| DV-MNT-313 | DVDPRMNT | Stop association not allowed for primary component. |
| DV-MNT-315 | DVDPRMNT | Not more than one component can be defined as primary component for IN leg. |
| DV-MNT-316 | DVDPRMNT | Mandatory field Leg type is NULL. |
| DV-MNT-317 | DVDPRMNT | Not more than one component can be defined as primary component for OUT leg. |
| DV-MNT-318 | DVDPRMNT | Interest components not defined. |
| DV-MNT-319 | DVDPRMNT | Schedules for some components not defined. |
| DV-MNT-320 | DVDPRMNT | No primary In leg interest components defined. |
| DV-MNT-321 | DVDPRMNT | No primary out leg interest components defined. |
| DV-MNT-322 | DVDPRMNT | Asynchronous Principal schedules not allowed for this derivative type. |
| DV-MNT-323 | DVDPRMNT | Asynchronous IN interest schedules not allowed for this derivative type. |
| DV-MNT-324 | DVDPRMNT | Asynchronous OUT interest schedules not allowed for this derivative type. |
| DV-MNT-325 | DVDPRMNT | Asynchronous IN revision schedules not allowed for this derivative type. |
| DV-MNT-326 | DVDPRMNT | Asynchronous OUT revision schedules not allowed for this derivative type. |
| DV-MNT-328 | DVDPRMNT | Mandatory field Rate Source is NULL. |
| DV-MNT-330 | DVDPRMNT | Mandatory field Frequency is NULL. |
| DV-MNT-331 | DVDPRMNT | Mandatory field Start reference is NULL. |
| DV-MNT-403 | DVBAUDLY | Batch Processing completed successfully. |
| DV-MNT-411 | DVBAUDLY | Unhandled exception while processing the batch. |
| DV-MLQ-015 | DVDTRPAY | No Schedule/Due found in the given value date to Liquidate |
| DV-MLQ-016 | DVTRPAY | Value date should not be lesser than the last schedule date |
| DV-ONL-001 | DVDCNONL | Unhandled exception while creating a new contract. |
| DV-ONL-011 | DVDCNONL | Unhandled exception while copying the contract. |
| DV-ONL-012 | DVDCNONL | Failed to the copy the Contract. |
| DV-ONL-021 | DVDCNONL | Unhandled exception while deleting the contract. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|---|
| DV-ONL-023 | DVDCNONL | Only the maker of the contract can delete the contract. |
| DV-ONL-024 | DVDCNONL | Do you want to delete the contract completely? |
| DV-ONL-025 | DVDCNONL | Do you want to undo all the changes made? |
| DV-ONL-026 | DVDCNONL | Contract Deleted Successfully. |
| DV-ONL-027 | DVDCNONL | Failed to delete the contract. |
| DV-ONL-031 | DVDCNONL | Unhandled exception while unlocking the contract. |
| DV-ONL-033 | DVDCNONL | The Version of the contract is not the latest version. Cannot be amended. |
| DV-ONL-034 | DVDCNONL | Contract is pending Authorization. Cannot be amended. |
| DV-ONL-035 | DVDCNONL | Contract is matured, Cannot be amended. |
| DV-ONL-036 | DVDCNONL | Only the maker of the contract can amend the contract. |
| DV-ONL-037 | DVDCNONL | Contract is Reversed or Terminated, Cannot Amend. |
| DV-ONL-038 | DVDCNONL | Failed to Amend the contract. |
| DV-ONL-041 | DVDCNONL | Unhandled exception while saving the contract. |
| DV-ONL-042 | DVDCNONL | Unhandled exception. |
| DV-ONL-043 | DVDCNONL | Unhandled exception. |
| DV-ONL-044 | DVDCNONL | Failed to obtain contract amounts. |
| DV-ONL-045 | DVDCNONL | Contract Saved Successfully. |
| DV-ONL-046 | DVDCNONL | Failed to save the contract. |
| DV-ONL-051 | DVDCNONL | Unhandled exception while authorizing the contract. |
| DV-ONL-052 | DVDCNONL | Cannot Create the Parameter List. |
| DV-ONL-061 | DVDCNONL | Unhandled exception while keeping the contract on Hold. |
| DV-ONL-062 | DVDCNONL | Contract Ref No Is Null. |
| DV-ONL-063 | DVDCNONL | Unhandled exception. |
| DV-ONL-082 | DVDCNONL | Product Code is NULL. |
| DV-ONL-092 | DVDCNONL | Maturity Date Cannot be Less than Value Date. |
| DV-ONL-093 | DVDCNONL | Maturity Date Cannot be less than the application Date. |
| DV-ONL-094 | DVDCNONL | Maturity Date \$1 is a Holiday Will be Changed to \$2. |
| DV-ONL-111 | DVDCNONL | Unhandled exception while defaulting Principal Schedules. |
| DV-ONL-121 | DVDCNONL | Unhandled exception while retrieving the contract amounts. |
| DV-ONL-132 | DVDCNONL | Not a valid product. |
| DV-ONL-141 | DVDCNONL | Unhandled exception while validating the Contract. |
| DV-ONL-142 | DVDCNONL | Mandatory field Counterparty is NULL. |
| DV-ONL-143 | DVDCNONL | Mandatory field Valued Date is NULL. |
| DV-ONL-144 | DVDCNONL | Mandatory field Maturity Date is NULL. |
| DV-ONL-145 | DVDCNONL | Mandatory field In Leg Currency is NULL. |
| DV-ONL-146 | DVDCNONL | Mandatory field In Leg Principal Amount is NULL. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|--|
| DV-ONL-147 | DVDCNONL | Mandatory field In Leg interest Rate Type is NULL. |
| DV-ONL-148 | DVDCNONL | Mandatory field In Leg interest Rate Code is NULL. |
| DV-ONL-149 | DVDCNONL | Mandatory field In Leg interest Rate Source is NULL. |
| DV-ONL-150 | DVDCNONL | Mandatory field In Leg interest Tenor Code is NULL. |
| DV-ONL-152 | DVDCNONL | Mandatory field In Leg interest Rate Spread is NULL. |
| DV-ONL-153 | DVDCNONL | Mandatory field In Leg interest rate is NULL. |
| DV-ONL-154 | DVDCNONL | Mandatory field In Leg interest Flat amount is NULL. |
| DV-ONL-155 | DVDCNONL | Mandatory field Out Leg Currency Cannot is NULL. |
| DV-ONL-156 | DVDCNONL | Mandatory field Out Leg principal Amount is NULL. |
| DV-ONL-157 | DVDCNONL | Mandatory field Out Leg interest Rate Type is NULL. |
| DV-ONL-158 | DVDCNONL | Mandatory field Out Leg interest Rate Code is NULL. |
| DV-ONL-159 | DVDCNONL | Mandatory field Out Leg interest Rate Source is NULL. |
| DV-ONL-160 | DVDCNONL | Mandatory field Out Leg interest Tenor Code is NULL. |
| DV-ONL-162 | DVDCNONL | Mandatory field Out Leg interest Rate Spread is NULL. |
| DV-ONL-163 | DVDCNONL | Mandatory field Out Leg interest rate is NULL. |
| DV-ONL-164 | DVDCNONL | Mandatory field Out Leg interest Flat amount is NULL. |
| DV-ONL-165 | DVDCNONL | Mandatory field Settlement Account is NULL. |
| DV-ONL-171 | DVDCNONL | Unhandled exception while validating the Contract. |
| DV-ONL-172 | DVDCNONL | Mandatory field Base Currency is NULL. |
| DV-ONL-173 | DVDCNONL | Mandatory field Reval Method is NULL. |
| DV-ONL-174 | DVDCNONL | Mandatory field Reval Rate Code is NULL. |
| DV-ONL-175 | DVDCNONL | Mandatory field Reval Rate Source is NULL. |
| DV-ONL-176 | DVDCNONL | Mandatory field Master Agreement Code is NULL. |
| DV-ONL-177 | DVDCNONL | Mandatory field Line Code is NULL. |
| DV-ONL-178 | DVDCNONL | Mandatory field Maturity Holiday Treatment is NULL. |
| DV-ONL-179 | DVDCNONL | Mandatory field Maturity Holiday Currency is NULL. |
| DV-ONL-180 | DVDCNONL | Mandatory field Maturity Financial Center is NULL. |
| DV-ONL-191 | DVDCNONL | Unhandled Exception While Terminating the contract. |
| DV-ONL-192 | DVDCNONL | The Contract is already terminated cannot terminate again. |
| DV-ONL-193 | DVDCNONL | Contract is pending Authorization. Cannot be terminated. |
| DV-ONL-194 | DVDCNONL | Do You want to terminate the contract? |
| DV-ONL-195 | DVDCNONL | Mandatory Field Termination type is NULL. |
| DV-ONL-196 | DVDCNONL | Mandatory Field Termination Currency is NULL. |
| DV-ONL-197 | DVDCNONL | Mandatory Field Termination Value is NULL. |
| DV-ONL-198 | DVDCNONL | Failed to terminate the contract. |
| DV-ONL-201 | DVDCNONL | Unhandled Exception while reversing the contract. |
| DV-ONL-202 | DVDCNONL | Contract pending Authorization Cannot Reverse. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|---|
| DV-ONL-203 | DVDCNONL | Do you want to reverse the contract completely? |
| DV-ONL-204 | DVDCNONL | Contract Reversed Successfully. |
| DV-ONL-205 | DVDCNONL | Failed to reverse the contract. |
| DV-ONL-206 | DVDCNONL | User Reference no should be Unique. |
| DV-ONL-248 | DVDTRONL | Compound on Holidays allowed only for Daily Frequency. |
| DV-PRN-001 | DVCPRDET | Unhandled exception while validating the schedules. |
| DV-PRN-002 | DVCPRDET | Mandatory field Start Date is NULL. |
| DV-PRN-003 | DVCPRDET | Mandatory field Frequency is NULL. |
| DV-PRN-004 | DVCPRDET | Mandatory field Frequency Unit is NULL. |
| DV-PRN-005 | DVCPRDET | Mandatory field No Of Schedules is NULL. |
| DV-PRN-006 | DVCPRDET | Mandatory field Adjustment Type is NULL. |
| DV-PRN-007 | DVCPRDET | Mandatory field Amount is NULL. |
| DV-PRN-011 | DVCPRDET | Unhandled exception while validating the Start Date. |
| DV-PRN-012 | DVCPRDET | Start Date Cannot be before the application Date. |
| DV-PRN-013 | DVCPRDET | Start Date Cannot be before the Value Date. |
| DV-PRN-014 | DVCPRDET | Start Date Cannot be after the Maturity Date. |
| DV-PRN-015 | DVCPRDET | Schedule Date is not Unique. |
| DV-PRN-021 | DVCPRDET | Unhandled exception while validating the Holiday Treatment Details. |
| DV-PRN-022 | DVCPRDET | Mandatory field Schedule Holiday Currency is NULL. |
| DV-PRN-023 | DVCPRDET | Mandatory field Schedule Financial Center is NULL. |
| DVRET00 | LDRPCSSM | To Date Should be greater than From Date. |
| DV-RVL-001 | DVREVAL | Unhandled exception while building the queue array. |
| DV-RVL-002 | DVREVAL | Failed to obtain the next working day. |
| DV-RVL-003 | DVREVAL | Product is closed. |
| DV-RVL-004 | DVREVAL | Product is not authorized. |
| DV-RVL-005 | DVREVAL | Failed to obtain the next working day. |
| DV-RVL-006 | DVREVAL | Product is closed. |
| DV-RVL-007 | DVREVAL | Product is not authorized. |
| DV-RVL-011 | DVREVAL | Unhandled exception while calculating the periodic reval date. |
| DV-RVL-021 | DVREVAL | Unhandled exception while processing periodic revaluation. |
| DV-RVL-031 | DVREVAL | Unhandled exception while populating reval records. |
| DV-RVL-101 | DVREVAL | Unhandled exception while revaluing a contract. |
| DV-RVL-111 | DVREVAL | Unhandled exception while processing product level revaluation. |
| DV-RVL-121 | DVREVAL | Unhandled exception while processing revaluation. |
| DV-RVL-122 | DVREVAL | No data found for the current product code. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|--|
| DV-RVL-131 | DVREVAL | Unhandled exception while processing revaluation. |
| DV-RVL-132 | DVREVAL | No data found for the current contract ref no. |
| DV-RVL-141 | DVREVAL | Unhandled exception while processing revaluation. |
| DV-RVL-151 | DVREVAL | Unhandled exception while processing revaluation. |
| DV-RVL-161 | DVREVAL | Unhandled exception while building the accounting entry lists. |
| DV-RVL-171 | DVREVAL | Unhandled exception while processing the amount tags. |
| DV-RVL-301 | DVREVAL | Unhandled exception while calculating the fair value of contract. |
| DV-RVL-302 | DVREVAL | No confirmed records for the fair values of the contract. |
| DV-RVL-303 | DVREVAL | No rates are maintained for the contract for carrying out revaluation. |
| DV-RVL-311 | DVREVAL | Unhandled exception while calculating the leg fair value. |
| DV-RVL-313 | DVREVAL | No rates are maintained for the contract for carrying out revaluation. |
| DV-RVL-314 | DVREVAL | No rates are maintained for the branch to carry out revaluation. |
| DV-RVL-315 | DVREVAL | Failed to round the fair value amount. |
| DV-RVL-321 | DVREVAL | Unhandled exception while revaluation processing. |
| DV-RVL-331 | DVREVAL | Unhandled exception while revaluation processing. |
| DV-RVL_12 | DVREVAL | No rates are maintained for the branch to carry out revaluation. |
| DV-RVN-001 | DVRESET | Unhandled Exception while processing rate revision. |
| DV-SCH-001 | DVSCHE0 | Unhandled Exception while getting next schedule Date. |
| DV-SCH-011 | DVSCHE0 | Unhandled Exception while getting next schedule Date. |
| DV-SCH-021 | DVSCHE0 | Unhandled Exception while getting next periodic Date. |
| DV-SCH-031 | DVSCHE0 | Unhandled Exception while getting schedule Date. |
| DV-SCH-032 | DVSCHE0 | Error while checking whether the scheduled date is a holiday. |
| DV-SCH-033 | DVSCHE0 | Improper Holiday maintenance. |
| DV-SCH-041 | DVSCHE0 | Unhandled Exception while Computing Reset Date. |
| DV-SCH-042 | DVSCHE0 | Error while checking whether the scheduled date is a holiday. |
| DV-SCH-043 | DVSCHE0 | Improper Holiday maintenance. |
| DV-SCH-051 | DVSCHE0 | Unhandled Exception while Adding months. |
| DV-SCH-101 | DVSCHE1 | Unhandled Exception while defaulting Principal Schedules. |
| DV-SCH-102 | DVSCHE1 | Error While rounding the amount. |
| DV-SCH-111 | DVSCHE1 | Unhandled Exception while Exploding Principal Schedules. |
| DV-SCH-112 | DVSCHE1 | Principal amount Cannot be Negative. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|---|
| DV-SCH-113 | DVSCHE1 | The Frequency and Frequency Units are Invalid. |
| DV-SCH-121 | DVSCHE1 | Unhandled Exception while defaulting Interest Schedules. |
| DV-SCH-131 | DVSCHE1 | Unhandled Exception while Exploding Interest Schedules. |
| DV-SCH-132 | DVSCHE1 | The Frequency and Frequency Units is Invalid. |
| DV-SCH-133 | DVSCHE1 | Interest amount is Negative. |
| DV-SCH-141 | DVSCHE1 | Unhandled Exception while Defaulting Revision Schedules. |
| DV-SCH-151 | DVSCHE1 | Unhandled Exception while Exploding Revision Schedules. |
| DV-SCH-152 | DVSCHE1 | The Frequency and Frequency Units are Invalid. |
| DV-SCH-201 | DVSCHE2 | Unhandled Exception while Replicating Principal Schedules. |
| DV-SCH-211 | DVSCHE2 | Unhandled Exception while Replicating Principal Schedule Periods. |
| DV-SCH-211 | DVSCHE2 | Unhandled Exception while Replicating Interest Schedules. |
| DV-SCH-221 | DVSCHE2 | Unhandled Exception while Replicating Interest Schedules. |
| DV-SCH-231 | DVSCHE2 | Unhandled Exception while Replicating Interest Schedule Periods. |
| DV-SCH-241 | DVSCHE2 | Unhandled Exception while Replicating Revision schedules. |
| DV-SCH-251 | DVSCHE2 | Unhandled Exception while Replicating Revision Schedule. |
| DV-SCH-301 | DVSCHE3 | Unhandled Exception while splitting the Contract Schedules. |
| DV-SCH-311 | DVSCHE3 | Unhandled Exception while re-defaulting Principal Schedules. |
| DV-SCH-321 | DVSCHE3 | Unhandled Exception while re-defaulting Non Principal Schedules. |
| DV-SCH-331 | DVSCHE3 | Unhandled Exception while re-defaulting Interest Schedules. |
| DV-SCH-341 | DVSCHE3 | Unhandled Exception while re-defaulting Revision schedules. |
| DV-SCH-401 | DVSCHE4 | Unhandled Exception while Replicating Principal Schedules. |
| DV-SCH-411 | DVSCHE4 | Unhandled Exception while replicating Interest Schedules. |
| DV-SCH-421 | DVSCHE4 | Unhandled Exception while replicating Revision Schedules. |
| DV-SET-001 | DVAUSET0 | Unhandled exception while processing for branch. |
| DV-SET-011 | DVAUSET0 | Unhandled exception while processing for contract. |
| DV-SET-021 | DVAUSET0 | Unhandled exception while processing principal components. |
| DV-SET-031 | DVAUSET0 | Unhandled exception while processing interest components. |
| DV-SET-041 | DVAUSET0 | Unhandled exception while populating interest liquidationamount. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|----------------------|--|
| DV-SET-051 | DVAUSET0 | Unhandled exception while populating interest accrual amounts. |
| DV-SET-063 | DVAUSET0 | Unhandled exception while populating interest accrual. |
| DV-SET-101 | DVAUSET1 | Unhandled exception while processing interest components. |
| DV-SET-102 | DVAUSET1 | Reset not done for component \$1for the period starting \$2. |
| DV-SET-103 | DVAUSET1 | Reset not done for component \$1for the period starting \$2. |
| DV-SET-104 | DVAUSET1 | No data found for component \$1for the period starting \$2. |
| DV-SET-105 | DVAUSET1 | Reset not done for component \$1for the period starting \$2. |
| DV-SET-106 | DVAUSET1 | No data found for component \$1for the period starting \$2. |
| DV-SET-107 | DVAUSET1 | Reset not done for component \$1for the period starting \$2. |
| DV-SET-108 | DVAUSET1 | No data found for component \$1for the period starting \$2. |
| DV-SUB-001 | DVSUBSYS | Unhandled Exception while Processing Brokerage. |
| DV-SUB-011 | DVSUBSYS | Unhandled Exception while processing Advices. |
| DV-SUB-021 | DVSUBSYS | Unhandled Exception while Processing User Defined Fields. |
| DV-SUB-031 | DVSUBSYS | Unhandled Exception while processing Charge. |
| DV-SUB-041 | DVSUBSYS | Unhandled Exception while Processing MIS. |
| DV-SUB-042 | DVSUBSYS | Error While defaulting MIS details from contract. |
| DV-SUB-051 | DVSUBSYS | Unhandled Exception while picking settlement details. |
| DV-SUB-061 | DVSUBSYS | Unhandled Exception while processing tax. |
| DV-SUB-071 | DVSUBSYS | Unhandled Exception while processing module tags. |
| DV-SUB-081 | DVSUBSYS | Unhandled Exception while processing interest tags. |
| DV-SUB-082 | DVSUBSYS | No Settlement Details are maintained for the tag \$1. |
| DV-SUB-091 | DVSUBSYS | Unhandled Exception while processing charge tags. |
| DV-SUB-101 | DVSUBSYS | Unhandled Exception while processing tax tags. |
| DV_AMR-001 | DVAMORT0 | Unhandled exception while building queue array. |
| TR-EXT-001 | External Revaluation | Effective date should not be greater than Application date. |
| TR-EXT-002 | External Revaluation | Contract Status is not Active |
| TR-EXT-003 | External Revaluation | Contract is Unauthorized |
| TR-EXT-004 | External Revaluation | Product is not in Active Status |
| TR-EXT-005 | External Revaluation | Duplicate record exists for the Contract Reference Number and Effective date |
| TR-EXT-006 | External Revaluation | Effective date should not be lesser than Trade date \$1 |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|----------------------|---|
| TR-EXT-007 | External Revaluation | External Revaluation is not applicable for \$1 |
| TR-EXT-008 | External Revaluation | NET_PROFIT_LOSS and NET_REVAL_CCY is Mandatory, since Revaluation Netting Required flag is checked for the contract \$1 |
| TR-EXT-009 | External Revaluation | IN_PROFIT_LOSS and OUT_PROFIT_LOSS are Mandatory for the contract \$1 |
| TR-EXT-010 | External Revaluation | If External Revaluation Required is selected then the External Revaluation Level cannot be blank |
| TR-EXT-011 | External Revaluation | External Revaluation Required is not selected so External Revaluation Level will be made Zero |
| TR-EXT-012 | External Revaluation | Please choose either Revaluation Required or External Revaluation Required |
| TR-EXT-013 | External Revaluation | External Revaluation is not applicable for hedge deal |
| TR-EXT-014 | External Revaluation | Effective date should not be lesser than previous Revaluation date \$1 |
| TR-RFR-M01 | Risk Free Rate | For selecting any RFR method, RFR flag should be selected |
| TR-RFR-M02 | Risk Free Rate | For Alternative RFR rates, one of RFR methods and corresponding method days are mandatory |
| TR-RFR-M03 | Risk Free Rate | Only one RFR method can be selected at a time |
| TR-RFR-M04 | Risk Free Rate | For LookBack method LookBack method days must be provided |
| TR-RFR-M05 | Risk Free Rate | As Lookback is selected, Payment Movement and LockOut Method days are updated as NULL |
| TR-RFR-M06 | Risk Free Rate | For Payment Movement method, Payment Movement method days must be provided. |
| TR-RFR-M07 | Risk Free Rate | As Payment Movement is selected, Lookback and LockOut Method days are updated as NULL |
| TR-RFR-M08 | Risk Free Rate | For LockOut method LockOut method days must be provided. |
| TR-RFR-M09 | Risk Free Rate | As LockOut is selected, LookBack and Payment Movement Method days are updated as NULL. |
| TR-RFR-M10 | Risk Free Rate | Computation methods either simple or compounded should be selected. |
| TR-RFR-M12 | Risk Free Rate | Rate code should be non RFR when RFR flag is not checked. |
| TR-RFR-M13 | Risk Free Rate | Rate code should be RFR when RFR flag is checked |
| TR-RFR-M19 | Risk Free Rate | Method Days are updated as null if Lookback, Payment Movement and LockOut are not selected. |
| TR-RFR-M23 | Risk Free Rate | Rate compounding is not applicable for Interest rollover method. |

Table B-1 (Cont.) Error Codes and Messages

| Error Code | Function ID | Message |
|-------------------|--------------------|--|
| TR-RFR-M24 | Risk Free Rate | Mismatch of input currency details with currency mapped for the rate code. |
| TR-RFR-M25 | Risk Free Rate | Alternative Risk Free Rate is allowed only for SE and DV Modules. |
| TR-RFR-M28 | Risk Free Rate | Payment Movement days should be greater than zero |
| TR-RFR-M29 | Risk Free Rate | Lookback days should be greater than zero |
| TR-RFR-M30 | Risk Free Rate | Lockout days should be greater than zero |
| TR-RFR-M33 | Risk Free Rate | RFR is applicable only for primary interest component |
| TR-RFR-M34 | Risk Free Rate | Rate revision frequency should be Daily for RFR component |
| TR-RFR-M35 | Risk Free Rate | Accrual required should be Yes for RFR component |
| TR-RFR-M36 | Risk Free Rate | Accrual frequency should be Daily for RFR component |
| TR-RFR-M37 | Risk Free Rate | Component currency is mandatory for RFR component. |
| TR-RFR-M38 | Risk Free Rate | In leg currency should match with in-component currency. |
| TR-RFR-M39 | Risk Free Rate | Out leg currency should match with out-component currency. |
| TR-RFR-M40 | Risk Free Rate | Rate type and Rate code maintained for the component cannot be changed. |
| TR-RFR-M41 | Risk Free Rate | Interest accrual should be at contract level when product is having RFR component. |

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