

User Defined Events User Guide

Oracle Banking Treasury Management

Release 14.5.0.0.0

Part No. F43223-01

May 2021

User Defined Events User Guide
Oracle Financial Services Software Limited

Oracle Park

Off Western Express Highway
Goregaon (East)
Mumbai, Maharashtra 400 063
India

Worldwide Inquiries:

Phone: +91 22 6718 3000

Fax: +91 22 6718 3001

<https://www.oracle.com/industries/financial-services/index.html>

Copyright © 2020, 2021 Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are “commercial computer software” pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Contents

1. Preface	1
1.2 Documentation Accessibility	1
1.3 Organization	1
1.4 Glossary of Icons	1
1.5 Related Documents.....	1
2. User Defined Events	2
2.2 Event Details	2
2.2.1 <i>Invoking User Defined Events Screen</i>	2
2.2.2 <i>Default Button</i>	
2.2.3 <i>Value Date Derivation Button</i>	4
2.2.4 <i>Event Processing Button</i>	4
2.2.5 <i>Viewing Event Details</i>	
2.3 User Defined Events Triggering.....	8
2.4 Accounting Roles and Heads.....	9
2.5 User Defined Events	12

1. Preface

1.1 Introduction

This manual is intended as a guide to help you define User Defined events in Oracle Banking Treasury Management. Besides this User Manual, you can find answers to specific features and procedures in the Online Help, which can be invoked, by choosing 'Help Contents' from the *Help* Menu of the software. You can further obtain information specific to a particular field by placing the cursor on the relevant field and striking <F1> on the keyboard.

1.2 Documentation Accessibility

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





1.3 Organization

This manual is organized as follows:

Chapter	Description
Chapter 1	<i>About this Manual</i> gives information on the intended audience. It also lists the various chapters covered in this User Manual.
Chapter 2	<i>Building User Defined Events</i> explains how to define events in Oracle Banking Treasury Management either for your own convenience or to suit the requirements of your bank.

1.4 Glossary of Icons

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

Icons	Function
	Exit
	Add row
	Delete row
	Option List

1.5 Related Documents

For further information on procedures discussed in the manual, refer to the Oracle Banking Treasury Management manuals on:

- Core Services
- Common Procedures

2. User Defined Events

2.1 Introduction

A contract that you process in Oracle Banking Treasury Management goes through different stages during its life cycle. These stages are defined as Events. Every new module that you maintain has to be associated with a set of events, which is triggered at appropriate stages during the lifecycle of the contract.

Apart from the factory shipped events, you can create your own events as per the requirements of the bank.

This chapter contains the following sections:

- [Section 2.2, "Event Details"](#)
- [Section 2.3, "Treasury User Defined Events"](#)
- [Section 2.4, "Accounting Roles and Heads"](#)
- [Section 2.5, "User Defined Events"](#)

2.2 Event Details

This section contains the following topics:

- [Section 2.2.1, "Invoking User Defined Events Screen"](#)
- [Section 2.2.2, "Default Button"](#)
- [Section 2.2.3, "Value Date Derivation Button"](#)
- [Section 2.2.4, "Event Processing Button"](#)
- [Section 2.2.5, "Treasury Events"](#)

2.2.1 Invoking User Defined Events

You can define the events through the **Treasury User Defined Events** screen. Enter **UDDTREV** in the field and clicking on the adjoining arrow button.

You can define events for a new module and also for existing modules in this screen.

Treasury User Defined Events

New Enter Query

Module *
Event Code *
Event Description

Acct Entry Definition No
Advices Definition No
User Data Element Advices Definition No

Apply
Allow Charge No
Allow Transaction Tax No

Association
Allow Charge No
Allow Transaction Tax No

Liquid Preference
Allow Charge No
Allow Transaction Tax No

Fields | Default

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

User defined events is linked to a product and is triggered in the life cycle of a contract, which is processed under that product.

Module

Specify the module for which you want to set up a user-defined event. The adjoining option list contains all the module codes available in the system. Select the appropriate one.

Event Code

Specify the event code that you want to set up for the module.

Event Description

Give a brief description of the event that you are defining. The description that you enter is for information purposes.

Accounting Entries Definition

Specify the accounting entries definition. You have the following options:

- **Yes**
- **No**

Advices Definition

Specify the advice entries definition. You have the following options:

- **Yes**
- **No**

User Data Element Advices Definition

Specify the UDE advice definition. You have the following options:

- **Yes**
- **No**

Association

Indicate your preferences.

Allow Charge

Specify the association allow charge. You have the following options:

- **Yes**
- **No**

Allow Transaction Tax

Specify the association allow transaction tax. You have the following options:

- **Yes**
- **No**

Apply

Indicate your preferences.

Allow Charge

Specify the application allow charge. You have the following options:

- Yes
- No

Allow Transaction Tax

Specify the application allow transaction tax. You have the following options:

- Yes
- No

Liquid Preference

Indicate your preferences.

Allow Charge

Specify the liquidation allow charge. You have the following options:

- Yes
- No

Allow Transaction Tax

Specify the liquidation allow transaction tax. You have the following options:

- Yes
- No

2.2.2 Default

Click **Default** tab in the **Treasury User Defined Events** screen to define the triggering parameters for the configured event.

The screenshot shows the 'Event Trigger' configuration window. It includes the following elements:

- Module ***: A text input field with a red asterisk.
- Event Code ***: A text input field with a red asterisk.
- Event Trigger**: Radio buttons for **Automatic** and **Manual**.
- Value Date Derivation**: A checkbox.
- Event Processing**: A checkbox.
- Execution Query**: A large text area for defining the triggering query.
- Status Bar**: Displays 'Value Date Derivation | Event Processing' and has 'OK' and 'Exit' buttons.

In this **Event Trigger** screen you can enter the following details below:

Module

The system displays the module code here.

Event Code

The system displays the event code here.

Event Trigger

The event, which you are defining, can be triggered in either of the following ways:

- **Automatic** – This means that the event should be triggered automatically during EOD.

- **Manual** - This means that the event should be triggered manually from the **Treasury User Defined Events** triggering screen.

Value Date Derivation

Check this box to indicate that the value date derivation is defined for a particular event.

Event Processing

Check this box to indicate the event processing is defined for a particular event.

Execution Query

Enter the query condition to select the list of accounts for the execution of the event during EOD. Input to this field will be mandatory if you choose 'Automatic' triggering of the event.

2.2.3 Value Date Derivation

Click the **Value Date Derivation** tab on the **Event Trigger** screen and specify the value date derivation logic.

In this **Derivation Rule** screen you can enter the following details:

Module

The system displays module code here.

Event Code

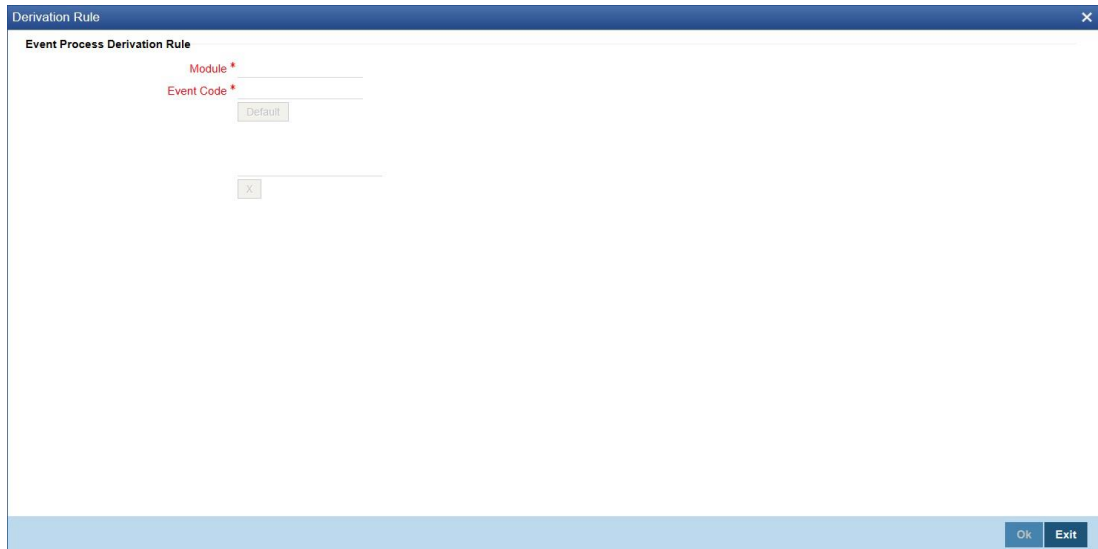
The system displays event code here.

X

Click the **X** button to execute the code. The derivation code is validated by the system. If any checks fail, you must alter the statement so that the validation can be made successfully. If any errors during validation system will display the error.

2.2.4 Event Processing

Click the **Event Processing** tab on the **Event Trigger** screen and specify the following fields in the **Derivation Rule** screen to assign values for processing of the event.



In this screen you can enter the following details:

Module Code

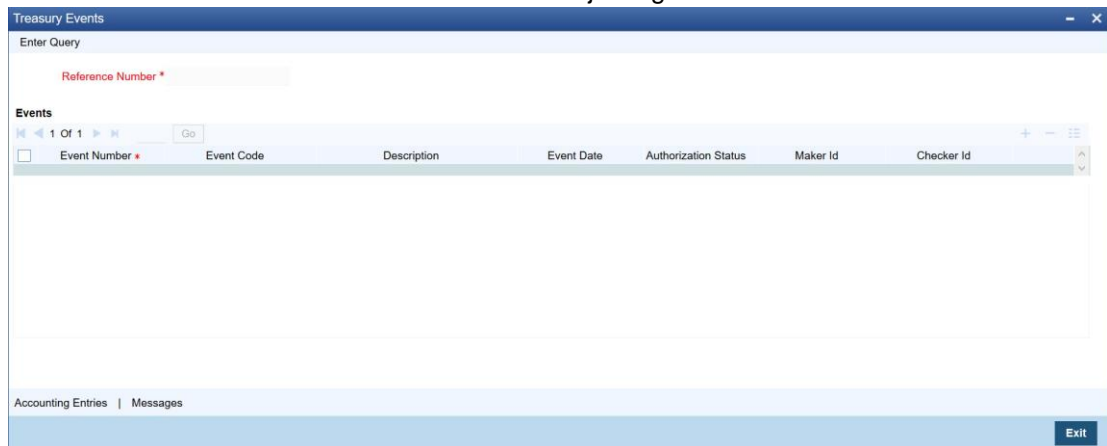
The system displays module code here.

Event Code

The system displays event code here.

2.2.5 Treasury Events

You can view the event details maintained in the **Treasury Events** screen of a contract screen. Enter **CSDTREVN** in the field and click on the adjoining arrow button.



Reference Number

Specify the reference number.

The system displays the following details:

- **Event Number**
- **Event code**
- **Description**
- **Event Date**
- **Authorization Status**
- **Maker Id**
- **Checker Id**

Viewing Accounting Entries

You can view the accounting entries maintained for an event in the **Treasury Accounting Entries** screen. Enter **CSDTRACE** in the field and click on the adjoining arrow button. Specify the following fields in the **Account Entries** tab.

The screenshot shows the 'Treasury Accounting Entries' application window. At the top, there is an 'Enter Query' section with three input fields: 'Reference Number *', 'Event Number *', and 'Event *'. Below the query section are two tabs: 'Accounting Entries' (selected) and 'Overrides'. The 'Accounting Entries' tab displays a table with the following columns: Event, Branch, Account, Account Description, Debit or Credit, Amount Tag, Account Currency, Foreign Currency Amount, Rate, and Local Currency. The table is currently empty. A 'Go' button is located above the table. At the bottom right of the window is an 'Exit' button.

Reference Number

Specify the transaction reference number

Event

Specify the event.

Event Number

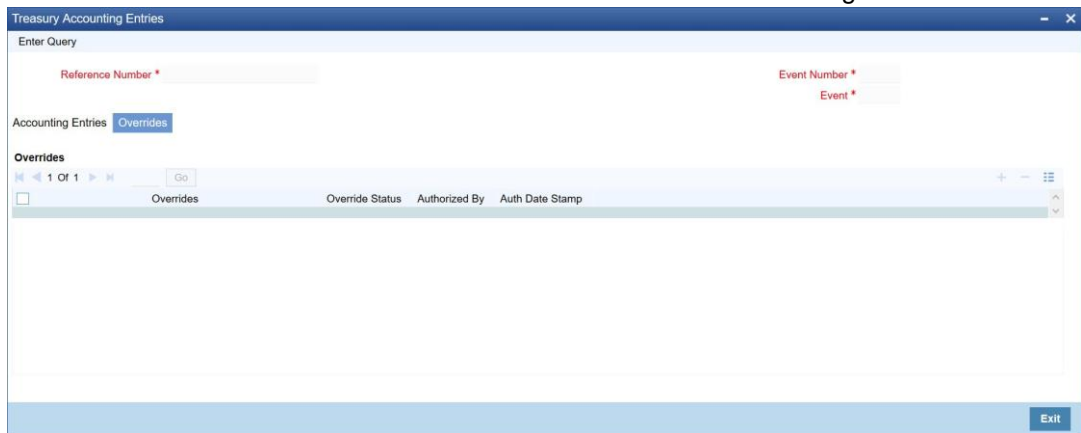
The system displays the event number.

The following details are displayed in the Accounting Entries:

- **Event**
- **Branch**
- **Account**
- **Account Description**
- **Debit/Credit**
- **Amount Tag**
- **Account Currency**
- **Foreign Currency Amount**
- **Rate**
- **Local Currency Amount**
- **Date**
- **Value Date**
- **Txn Code**

Override Details

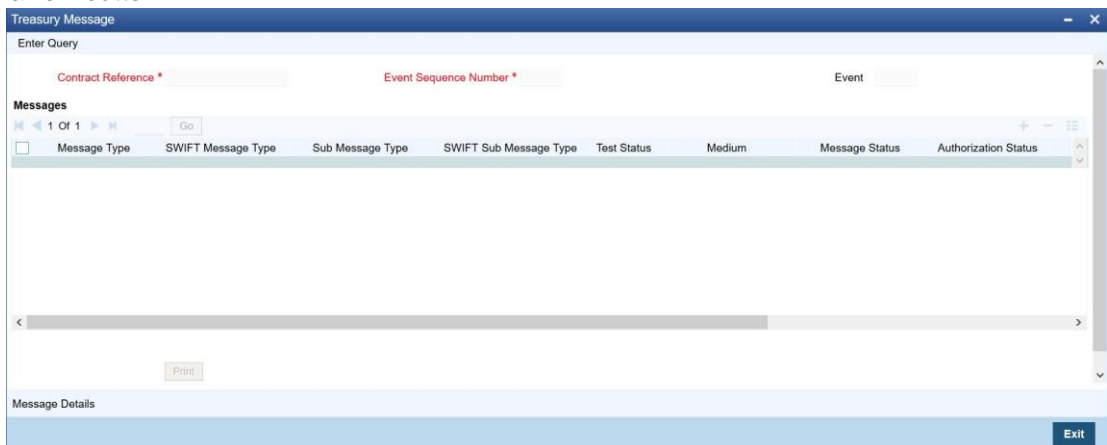
Click on the **Overrides** tab to view the override details of the accounting entries.



The screenshot shows the 'Treasury Accounting Entries' application window. At the top, there is an 'Enter Query' section with two input fields: 'Reference Number *' and 'Event Number *'. Below this, there are two tabs: 'Accounting Entries' and 'Overrides', with 'Overrides' being the active tab. The main area displays a table with the following columns: 'Overrides', 'Override Status', 'Authorized By', and 'Auth Date Stamp'. The table is currently empty. At the bottom right of the window, there is an 'Exit' button.

Viewing Messages

You can view the messages by selecting an event and clicking on **Message Details** button in the **Treasury Message** screen. Enter **CSDTRMVW** in the field and click on the adjoining arrow button.



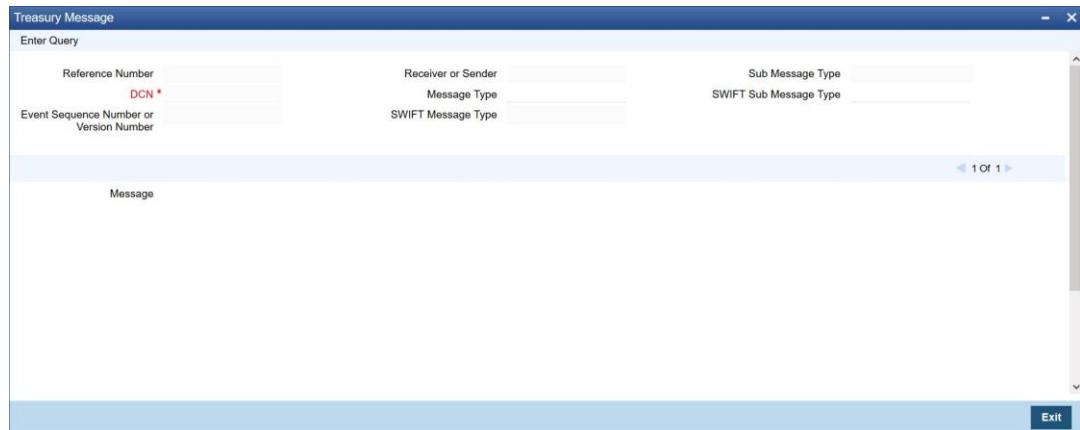
The screenshot shows the 'Treasury Message' application window. At the top, there is an 'Enter Query' section with three input fields: 'Contract Reference *', 'Event Sequence Number *', and 'Event'. Below this, there is a 'Messages' section with a table. The table has the following columns: 'Message Type', 'SWIFT Message Type', 'Sub Message Type', 'SWIFT Sub Message Type', 'Test Status', 'Medium', 'Message Status', and 'Authorization Status'. The table is currently empty. At the bottom of the window, there is a 'Print' button and an 'Exit' button.

The system displays the following details:

- **Contract Reference**
- **ESN**
- **Event**
- **Message Type**
- **SWIFT Message Type**
- **Sub Message Type**
- **SWIFT Sub Message Type**
- **Test Status**
- **Medium**
- **Message Status**
- **Authorization Status**
- **Receiver**
- **Receiver Name**
- **DCN**

Message Details

Click the **Messaging Details** tab on the **Treasury Message** screen to view the message details.



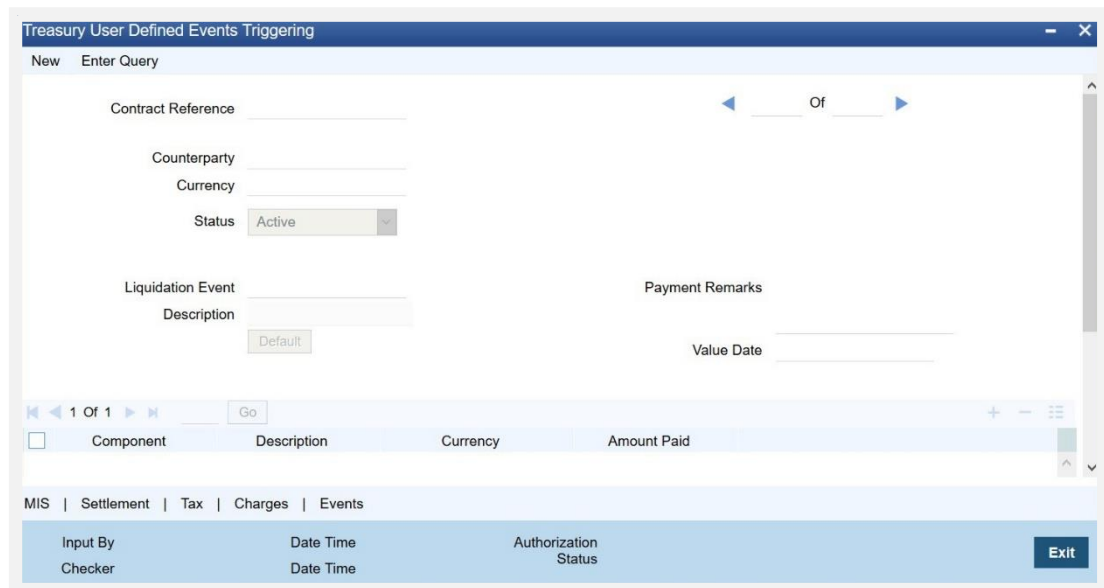
The screenshot shows the 'Treasury Message' window with the following fields under 'Enter Query':

- Reference Number (with a red asterisk and 'DCN' below it)
- Receiver or Sender
- Sub Message Type
- Event Sequence Number or Version Number
- Message Type
- SWIFT Sub Message Type
- SWIFT Message Type

Below the search fields is a 'Message' section with a '1 Of 1' indicator and an 'Exit' button at the bottom right.

2.3 Treasury User Defined Events Triggering

You can use the **Treasury User Defined Events Triggering** screen to manually trigger the user defined events for accounts. Enter **UDDTREV** in the field and click on the adjoining arrow button.



The screenshot shows the 'Treasury User Defined Events Triggering' window with the following fields:

- Contract Reference
- Counterparty
- Currency
- Status (set to 'Active')
- Liquidation Event Description (with a 'Default' button)
- Payment Remarks
- Value Date

Below the fields is a table with columns: Component, Description, Currency, and Amount Paid. The table has a 'Go' button and a '1 Of 1' indicator.

At the bottom, there are tabs for 'MIS | Settlement | Tax | Charges | Events' and a footer with 'Input By', 'Date Time', 'Checker', 'Date Time', 'Authorization Status', and an 'Exit' button.

Here you need to specify the following details:

Contract Reference

Select the contract reference number from the adjoining option list.

Event

Select the event from the adjoining option list.

Description

Give a brief description on the event.

Payment Remarks

Specify remarks pertaining to the payment on the account.

Value Date

If the value date derivation rule has been maintained for the event code, the system will calculate the value date and display it here. However, you can change it.

Amount Details

The system displays the following amount details:

- **Component**
- **Description**
- **Currency**
- **Amount Paid**

2.4 Accounting Roles and Heads

This section contains the following topics:

- Treasury Roles and Heads
- Accounting Roles

2.4.1 Treasury Roles and Heads

You can define the amount tags for accounting roles through the **Treasury Role and Head Maintenance** screen. Enter **UDDTRRLT** in the field and click on the adjoining arrow button.

Treasury Role and Head Maintenance

New Enter Query

Module Id _____

Module Description _____

Amount Tag Accounting Roles

1 Of 1 Go

<input type="checkbox"/>	Amount Tag	Description	Charge	Accounting	Transaction Tax	Local Currency	Local Currency Eq.Tag	Derivation
	1 Of 1							

Maker _____ Date Time: _____ Mod No _____ Record Status _____

Checker _____ Date Time: _____ Authorization Status _____

Exit

You can specify the following parameters for the module:

- **Amount Tag**
- **Accounting Roles**

Amount Tag

This tab is displayed by default when you invoke the screen.

Amount Tag

Specify the amount tag.

Description

Enter the brief description for amount tag.

Charge

Indicate whether the amount tag pertains to a charge or not by choosing one of the following

options:

- **Yes**
- **No**

Accounting

Indicate whether accounting entries are required or not by choosing one of the following options:

- **Yes**
- **No**

Transaction Tax

Indicate whether transaction tax is applicable or not by choosing one of the following options:

- **Yes**
- **No**

Local Currency

Indicate the local currency preference by choosing one of the following options:

- **Average**
- **Equivalent**

Local Currency Equivalent Tag

Specify the amount tag for the local currency equivalent amount.

Click **Derivation** button and invoke the **Derivation Rule Details** screen to derive the amount and currency for the amount tag.

The screenshot shows a software interface for defining derivation rules. It features two columns: 'Amount Rule Derivation' and 'Currency Rule Derivation'. Each column contains a text input field for the rule name, a checkbox for 'Type', and an 'Execute' button. The 'Type' checkbox is currently unchecked, and a 'Default' button is visible below it. At the top of the window, there are input fields for 'Module Code' and 'Amount Tag'. At the bottom right, there are 'Ok' and 'Cancel' buttons.

Here you can specify derivation logic for the following:

- **Amount Rule**
- **Currency Rule**

Module Code

The system displays module code here.

Amount Tag

The system displays the amount tag here.

Amount Rule Derivation

You can specify the following details.

Amount Rule Type

Check this box if the amount has to be derived based on a specified condition. The amount for a particular tag can be derived based on a condition.

Derivation Amount Rule

If you have checked against the option 'Amount Rule Type', the system will derive the amount for the amount tag that is being defined. You can use the following as variables while creating the derivation rule:

- SDE

You can use any of the following SDEs:

- CUSTOMER_CATEGORY - Category of the customer of the loan
- CUSTOMER_ID - Customer ID
- ACCOUNT_CCY - Loan account's currency
- TODAY - Today
- NEXT_WORKDAY - Date of next workday
- PAYMENT_VALUE_DATE - Payment value date
- LAST_PAYMENT_DATE - Last payment date for the customer
- TOTAL_DUE_AMOUNT - Sum of all the Outstanding Balances for the Customer
- LAST_PAYMENT_AMOUNT - Last Payment Amount for the Customer
- CURRENT_PAYMENT_AMOUNT - Current Amount which is Due
- PAID_INTEREST_AMOUNT - Total Interest Amount Paid
- INTEREST_ACCRUED_AMOUNT - Sum of all the Accrued Amounts for Interest
- _OVR_DAYS - <Component> overdue days
- _EXPECTED - <Component> expected amount
- _OUTSTAND - <Component> outstanding amount
- _CCY - <Component> currency
- _OVERDUE - <Component> overdue amount

Amount Rule Error Description

Enter a brief description about amount rule error that should be displayed in case the derivation fails.

Currency Rule Derivation

The currency can either be derived from the existing account currency or can be maintained as a UDF field in the account or it can be hard-coded in the 'Currency Rule Definition' screen.

Currency Rule Type

Check this box if the currency for a particular amount tag has to be derived based on the derivation rule.

Derivation Currency Rule

Specify the rule based on which the system should derive the currency for the amount tag. You need to assign a value to 'L_CCY'. For instance, the rule may be given as under.

BEGIN

Select contract_ccy

into l_ccy

from cstb_tf_contract

where contract_ref_no = p_acc_no

and branch_code = p_branch

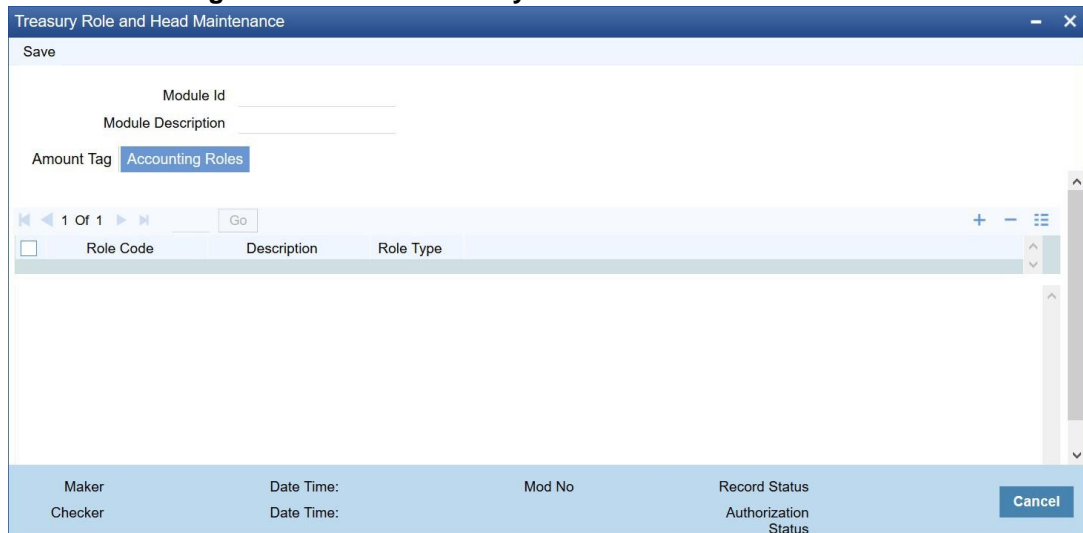
END;

Currency Rule Error Description

Enter a brief description about currency rule error that should be displayed in case the derivation fails.

2.4.2 Accounting Roles Tab

Click **Accounting Role** tab in the **Treasury Role and Head Maintenance** screen.



The screenshot shows the 'Treasury Role and Head Maintenance' window. At the top, there is a 'Save' button. Below it are input fields for 'Module Id', 'Module Description', and 'Amount Tag' (which is currently set to 'Accounting Roles'). A navigation bar shows '1 Of 1' records. Below the navigation bar is a table with columns for 'Role Code', 'Description', and 'Role Type'. The table is currently empty. At the bottom of the window, there are fields for 'Maker', 'Checker', 'Date Time', 'Mod No', 'Record Status', and 'Authorization Status', along with a 'Cancel' button.

In this screen you can enter the following details:

Role Code

Specify the role code.

Description

Enter a brief description about role code.

Role Type

Select the role type from the adjoining drop-down list. The following values are available:

- **Asset**
- **Liability**
- **Income**
- **Expense**
- **C Asset**
- **C Liability**
- **Customer**

2.5 User Defined Events

This section contains the following topics:

- [Section 2.5.1, "Triggering User Defined Events Automatically"](#)

2.5.1 Triggering User Defined Events Automatically

You can add the user defined event batch to the mandatory programs to be run for the module, using the **Mandatory Batch Program Maintenance** screen. Enter **EIDMANPE**

in the field and click the adjoining arrow button.

Mandatory Batch Program Maintenance

New Enter Query

Branch * 000

Module *

Function *

Sequence Number

Description

Error Handling

Stop Automatic End of Day and Run Emergency Program

Continue with Automatic End of Day

End of Cycle Group *

Txn Input

End of Txn Input

End of Fin Input

End of Day

Beginning of Day

End of Previous Day

Frequency Daily

Holiday Rule Do Not Execute

Execution Layer

Database

Application

Sub Stage 1

Number Of Days

Run Date YYYY-MM-DD

Job Code

Description

Fields

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

Exit

Module

Choose the module code from the adjoining option list.

Function

Specify **UDBTFEVT** as the batch that needs to be run.

End of Cycle Group

Select the option 'End Of Transaction Input'.

For further details about this screen, refer the chapter 'Setting- up Mandatory Programs for EOD' in the AEOD User Manual.

3. Function ID Glossary

C

CSDACENT2-8
CSDEVENT2-7
CSDMSGVW 2-10

E

EIDMANPR2-17

U

UDDEVMNT2-1
UDDRLTAG.....2-12