Oracle Financial Services Governance, Risk, and Compliance Workflow Manager **User Guide**

Release 8.0.2.0.0 February 2016

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About this Guide

The Oracle Financial Services Governance, Risk, and Compliance Workflow Manager User Guide explains the concepts of the Oracle Financial Services Governance, Risk, and Compliance Workflow Manager and provides step-by-step instructions for navigating through the application.

This chapter discusses the following topics:

- Who Should Use this Guide
- Where to Find More Information
- Conventions Used

Who Should Use this Guide

The Oracle Financial Services Governance, Risk, and Compliance Workflow Manager User Guide is designed for administrative users of Operational Risk/Governance and Compliance Management application for administrating and configuring the workflow function within the application.

Where to Find More Information

For more information on Oracle Financial Services Governance, Risk, and Compliance Workflow Manager, refer to the following documents:

- Oracle Financial Services Governance, Risk, and Compliance User Guide.
- Oracle Financial Services Governance, Risk and Compliance Installation Guide.
- Oracle Financial Services Governance, Risk and Compliance Administration and Configuration Guide.

These documents are available in the OTN library.

To find additional information about how Oracle Financial Services solves real business problems, see our Web site at <u>www.oracle.com/financial services</u>.

Conventions Used

Table 1 lists the conventions used in this guide.

Table 1. Conventions Used in this Guide

| Convention | Meaning | | |
|-----------------------|---|--|--|
| Italics | Names of books, chapters, and sections as references | | |
| | Emphasis | | |
| Bold | Object of an action (menu names, field names, options, button names) in a step-by-step procedure | | |
| | Commands typed at a prompt | | |
| | User input | | |
| Monospace | Directories and subdirectories | | |
| | File names and extensions | | |
| | Process names | | |
| | Code sample, including keywords and variables within text and as separate paragraphs, and user-defined program elements within text | | |
| <variable></variable> | Substitute input value | | |

CHAPTER 1

About Workflow Manager

This chapter provides a brief overview of Oracle Financial Services Governance, Risk, and Compliance Workflow Manager configurations and administrations.

The chapter covers the following topics:

- Overview of OR/ GCM
- Overview of Workflow Manager

Overview of OR/ GCM

Operational Risk and Governance Compliance Management solution provides a comprehensive framework to manage governance, risk, and compliance across the organization. The solution is built on Oracle Financial Services Analytical Application Infrastructure. Oracle Financial Services Analytical Applications use a commonly available analytical infrastructure consisting of a unified financial services data model, analytical computations and the industry-leading Oracle Business Intelligence platform.

Overview of Workflow Manager

The Workflow Manager utility provides an ability to configure multiple approvals, reviews process to ensure the maker-checker is set in place to enable veracity of information by different set of users. This utility allows setting of actionable tasks and notification to specific users which are generated based on system set parameters or when a user takes a specific action for an entity. These Tasks and Notifications can be turned on or turned off at different stages in the process flow. In addition to the system notifications, email alerts can also be configured for the Tasks and Notifications which would be sent to the stakeholders on any change in the information relevant to them.

CHAPTER 2 Getting Started

This chapter provides step-by-step instruction to login to the Governance, Risk, and Compliance application and different features of the Workflow Manager.

This chapter discusses following topics:

- System Requirements
- Accessing OFSAA Applications
- Managing the GRC Application Page
- Troubleshooting Your Display

System Requirements

The following applications are required to run Oracle Financial Services Governance, Risk, and Compliance:

• Microsoft Internet Explorer (IE) version 9 or later.

Earlier versions and other browsers are not supported and may produce errors, inaccurate data and display failures. For users of IE version 8.0, the browser should be run in compatibility mode.

• Adobe Acrobat Reader version 9.0, or later.

You can download a free copy of the latest version of the Reader at www.adobe.com.

- Java should be installed. JDK 1.6 (version 6) or above.
- The screen resolution of the system should be set to 1280 × 1024 or higher for proper display of the user interface (UI).

Accessing OFSAA Applications

Access to the Oracle Financial Services Governance, Risk, and Compliance application depends on the Internet or Intranet environment. Oracle Financial Services Governance, Risk, and Compliance is accessed through Microsoft Internet Explorer (IE). Your system administrator provides the intranet address uniform resource locator (URL).

Your system administrator provides you with a user ID and password. Login to the application through the Login page. You are prompted to change your password on your first login. You can change your password whenever required by logging in. (Refer to section *Changing Password* for more information.)

Your password is case sensitive. If you have problems with the password, verify that the **Caps Lock** key is off. If the problem persists, contact your system administrator.

To access OFSAA Applications, follow these steps:

1. Enter the URL into your browser using the following format:

<scheme/ protocol>://<ip address/ hostname>:<port>/<context-name>/login.jsp

For example: https://myserver:9080/ofsaaapp/login.jsp

The OFSAA Login page is dis-

played.

| ORACLE | Financial Services Analytical Applications About |
|--------|--|
| | Language US-Engleh User ID Password Password Image: Control of the statistic stati |

Figure 1. OFSAA Login Page

- 2. Select the Language from the Language drop-down list.
- 3. Enter your User ID and Password.
- 4. Click Login. The OFSAA Application page is displayed.

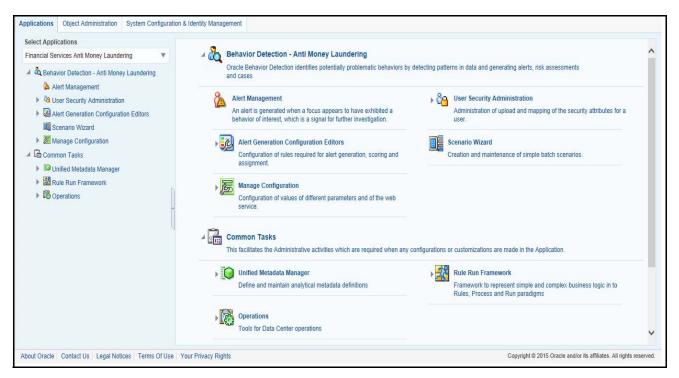


Figure 2. OFSAA Application Page

The OFSAA Application page is a common landing page for all users until a preferred application page is set. For more information about how to set your preferred application page, refer to *OFS GRC User Guide*. You can use the OFSAA Application page to access the Oracle Financial Services applications in your environment. For example, to access GRC, select **Governance, Risk, and Compliance** from the drop-down list.

The OFSAA Application page has multiple tabs and each tab has specific links to OFSAA Infrastructure and Application modules. The modules which you may access depend on your user role and the OFSAA Application you select. The relevant tabs and links are displayed

This page is divided into two panes:

- Left Pane: Displays any menus and links to modules in a tree format based on the application selected in the Select Application drop-down list.
- **Right Pane**: Displays any menus and links to modules in a navigational panel format based on the selection of the menu in the Left pane. It also provides a brief description of each menu or link.

Managing the GRC Application Page

This section describes the different panes and tabs in the OFSAA Application page. The OFSAA Application page has the following tabs:

- Applications Tab
- Object Administration Tab
- System Configuration and Identity Management Tab

The following sections describe these tabs.

Applications Tab

The Applications tab lists the various OFSAA Applications that are installed in the OFSAA setup based on the logged in user and mapped OFSAA Application User Group(s).

To access the OFSAA Applications, choose the required Application from Select Application drop-down list. For GRC select **Governance Risk and Compliance.** Based on your selection, the page refreshes the menus and links across the panes.

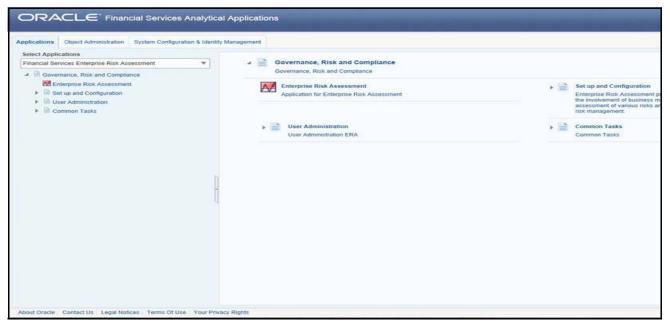


Figure 3. OFSAA Application Selection Tab

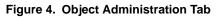
Object Administration Tab

Object Administration is an integral part of the Infrastructure system and allows system administrators to define the security framework with the capacity to restrict access to the data and meta data in the warehouse, based on a flexible, fine-grained access control mechanism. These activities are mainly done at the initial stage, and then as needed. This tab includes information related to the workflow of the Infrastructure Administration process with related procedures to assist, configure, and manage administrative tasks.

The Object Administration tab lists the various OFSAA Information Domains created in the OFSAA setup based on the logged in user and mapped OFSAA Application User Groups. For more information about managing Information Domains, refer to the *Administration Guide*.

To define or maintain access for an Information Domain, choose the required Information Domain from the Select Information Domain drop-down list. Based on your selection, the page refreshes the menus and links across the panes.





System Configuration and Identity Management Tab

System Configuration and Identity Management is an integral part of the Infrastructure administration process. This tab helps System Administrators to provide security and operational framework required for the Infrastructure.

System Administrators can configure Server details, Database details, OLAP details, and Information Domains, along with other configuration processes such as segment and metadata mapping, mapping segments to securities, and rules setup. System Configuration is mostly a one-time activity, which helps the System Administrator make the Infrastructure system operational.

The System Configuration and Identity Management tab lists the OFSAA Infrastructure System Configuration and Identity Management modules. These modules work across Applications and Information Domains, so there is no Application and Information Domain drop-down list in this tab.

| Acelications Object Administration & System Configuration & Seentry Management | Financial Services Analytical Applications Infrastructure Emission and Configuration Configural Maintain the OFBAA setup configuration details | Kontry Management Framawork to manage fire grained user authenication and sufficication security using access management constructs like passwords, user roles and functions | | |
|--|--|--|--|--|

Figure 5. System Configuration and Identity Management Tab

Selecting Identity Management allows System Administrators to manage Users, User Groups, and the functions each User or User Group may access. For more information about managing Users and User Groups, refer to the *GRC Installation and Administration Guide*.

Copyright Information

To access copyright information, click **About** in the OFSAA Login page. The Copyright text is displayed in a new pop-up window.



Figure 6. Copyright Information

Changing Password

If you want to change your password, you can do so using the **Change Password** option available from the drop-down list available on the OFSAA Application page.

The application navigates to the Password Change page. Enter your old and new password in the given fields respectively, and click **OK**. Your password is changed successfully. After clicking **OK** in the pop-up window, the application navigates back to the Login page where you can login with the new password.

| | | US-English 🔻 📗 | SYSADMN 🔻 |
|--|--|----------------|------------|
| ORACLE [®] Financial Services Analytical Applications | | | nces |
| System Configuration & Identity Management | | About | |
| Services Analytical Applications Infrastr | Financial Services Analytical Applications Infrastructure > Administration and Configuration > System Configuration > Manage OFSAA Produ | Change | e Password |
| Administration and Configuration | | Log Ou | t |
| System Configuration | MANAGE OF SAA APPLICATION PACK LICENSE | | 0 |
| 🛅 Database Server | MANAGE OFSAA APPLICATION PACK LICENSE | | |

Figure 7. Change Password

Troubleshooting Your Display

If you experience problems logging into Oracle Financial Services Governance Risk and Compliance Application, the browser settings may be incompatible with running OFSAA applications. The following sections provide instructions for properly setting your Web display options for OFSAA applications within IE.

Note: The following procedures apply to all versions of IE listed in section *System Requirements*. Separate procedures are listed for each version where differences exist in the locations of settings and options.

This chapter explains the following sections:

- Enabling JavaScript
- Enabling Cookies
- Enabling Temporary Internet Files
- Enabling File Downloads
- Setting Printing Options
- Enabling Pop-Blocker
- Preferences

Enabling JavaScript

JavaScript must be enabled. To enable JavaScript, follow these steps:

1. Navigate to the Tools menu and click Internet Options.

The Internet Options dialog box is displayed.

- 2. Click the **Security** tab.
- 3. Click the Local Intranet icon as your Web content zone.
- 4. Click Custom Level.

The Security Settings dialog box displays.

- 5. In the Settings list and under the Scripting setting, enable all options.
- 6. Click **OK**, then click **OK** again to exit the Internet Options dialog box.

Enabling Cookies

Cookies must be enabled. If you have problems troubleshooting your display, please contact your System Administrator.

Enabling Temporary Internet Files

Temporary Internet files are pages that you view on the Internet and store in a folder for quick viewing later. You must adjust this setting to always check for new versions of a stored page. To adjust your Temporary Internet File settings, follow these steps:

1. Navigate to the Tools menu and click Internet Options.

The Internet Options dialog box displays.

2. On the General tab, click **Settings**.

The Settings dialog box displays.

- 3. Click the Every visit to the page option.
- 4. Click **OK**, then click **OK** again to exit the Internet Options dialog box.

Enabling File Downloads

File downloads must be available. To enable file downloads, follow these steps:

1. Navigate to the Tools menu and click Internet Options.

The Internet Options dialog box displays.

- 2. Click the **Security** tab.
- 3. Click the Local Intranet icon as your Web content zone.
- 4. Click Custom Level.

The Security Settings dialog box displays.

- 5. Under the Downloads section, ensure that **Enable** is selected for all options.
- 6. Click **OK**, then click **OK** again to exit the Internet Options dialog box.

Setting Printing Options

Printing background colors and images must be enabled. To enable this option, follow these steps:

1. Navigate to the Tools menu and click Internet Options.

The Internet Options dialog box displays.

- 2. Click the **Advanced** tab.
- 3. In the Settings list, under the Printing setting, click Print background colors and images.
- 4. Click **OK** to exit the Internet Options dialog box.

Note: For best display results, use the default font settings in your browser.

Enabling Pop-Blocker

Some users may experience difficulty running the Oracle Financial Services GRC application when the IE Pop-up Blocker is enabled. It is recommended to add the URL of the application to the *Allowed Sites* in the Pop-up Blocker Settings in the IE Internet Options.

To enable Pop-up Blocker, follow these steps:

1. Navigate to the Tools menu and click Internet Options.

The Internet Options dialog box displays.

- 2. Click the **Privacy** tab.
- 3. In the Pop-up Blocker setting, select the Turn on Pop-up Blocker option.

The Settings enable.

- 4. Click **Settings** to open the Pop-up Blocker Settings dialog box.
- 5. In the Pop-up Blocker Settings dialog box, enter the URL of the application in the text area.
- 6. Click Add.

| Preferences - Windows Internet Exp | blorer | |
|------------------------------------|------------------|------------|
| | Preferences | ^ |
| - Home Page | | |
| Property Name | Property Value | |
| Set My Home Page | Default Screen 👻 | |
| | Save Cancel | * |
| | | 🔍 100% 👻 🔐 |

Figure 8. Preferences Screen

The URL appears in the Allowed site list.

- 7. Click Close, then click Apply to save the settings.
- 8. Click **OK** to exit the Internet Options dialog box.

Preferences

The preferences section enables you to set your OFSAA Home Page.

To access Preferences, follow these steps:,

1. Click Preferences from the drop-down in the top right corner. The Preferences screen is displayed.

2. Select the application which you want to set as the Home Page from **Property Value** drop-down.

Note: Whenever you install a new application, the related value for that application is found in the drop-down list.

3. Click **Save** to save your preference.

CHAPTER 3 Managing Workflow

This chapter provides an overview of the Workflow Manager in the OFSOR/GCM application and provides step-by-step instructions to use this feature.

This chapter covers the following topics:

- About Application Preference
- About Workflow Manager
- User Roles and Actions
- Managing Workflow Manager

About Application Preference

The Application Preferences allows you to manage the workflows of each module of OFSOR/GCM, manage the field names, messages, screen name, and so on.

Note: When you are populating/loading the user specific dimension data into following table (Atomic schema), you should not use (including update/delete) following reserved keys in the associated tables for any different purpose:

- Application Information:
 - Tables: DIM_APP_INFO, DIM_APP_INFO_MLS
 - Application Reserved Key "1" for Operational Risk, Application Reserved Key "2" for Model Risk Management, Application Reserved Key "3" for Governance and Compliance Management and Application Reserved Key "4" for Enterprise Risk Assessment.
- Business Line:
 - Tables: DIM_KBD_1, DIM_KBD_1_MLS
 - Business Line Reserved Key "1" for All
 - Business Line Reserved Key "-1" for All
- Location:
 - Tables: DIM_KBD_2, DIM_KBD_2_MLS
 - Location Reserved Key "1000" for All/Global
 - Location Reserved Key "-1" for All/Global
- Category
 - Tables: DIM_KBD_3, DIM_KBD_3_MLS
 - Category Reserved Key "1000" for All/Global
 - Category Reserved Key "-1" for All/Global
- Reserved KBD
 - Tables: DIM_KBD_4, DIM_KBD_4_MLS
 - Reserved KBD Reserved Key "1000" for All/Global

■ Reserved KBD Reserved Key "-1" for All/Global

About Workflow Manager

The Workflow Manager feature allows you to configure the process flow of each module of OFSOR from a

centralized location. You can also configure Tasks and Notifications sent to each user based on the rules. It is a part of the Application Preferences section.

Accessing the Workflow Manager

This section explains how to access the Workflow Manager in Oracle Financial Services Operational Risk application.

To access the Workflow Manager section, follow these steps:

- 1. Login to OFSOR application. The OFSOR Home page is displayed.
- 2. Select **Application Preference** from the Admin menu on the Home page and then select **Workflow Manager**. The Workflow Manager page is displayed.
- 3. Select **Application Name** and the required **Workflow Function Name**. The default Master Workflow is displayed with all other Workflows for the selected Function. Only one Workflow is active at a time for selected Function.

The steps to include a new application and a new workflow function in the Workflow Manager is detailed in *Appendix, Setting up Application and Workflow Function*.

User Roles and Actions

This section covers the following topics:

- User Role
- Actions

User Role

The Administrator is the only user who manages the Workflow Manager features in an organization. This user configures, maintains, and performs the tasks that are applicable across the organization.

Actions

The Administrator can create, edit, active, or deactive the Workflow. Also, this user can add a new Route Rule, Notification, and Tasks, and map them with user roles/users.

Managing Workflows: The Administrator can create, edit, active, or deactive the Workflow. Also, this user can add a new Route Rule, Notification, and Tasks, and map them with user roles/users.

Process Flow of Workflow

The process flow of the Workflow Manager is explained below:

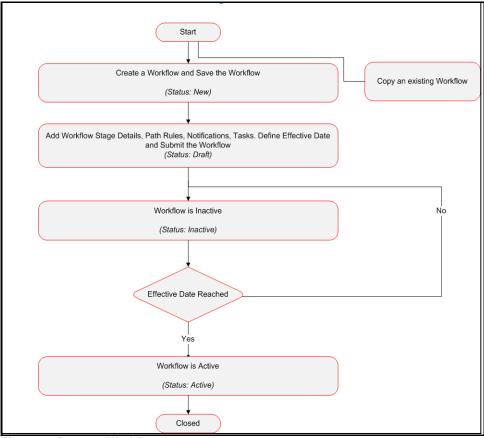


Figure 9. Process Workflow

Managing Workflow Manager

The Workflow Manager feature allows you to configure the process flow of each module of OFSOR from a centralized location. You can also configure Tasks and Notifications sent to each user based on the rules.

This section covers following topics:

- Creating a Workflow
- Managing Workflow Details
- Activating a Workflow
- Deactivating a Workflow
- Searching Workflow

Creating a Workflow

This section explains how to create a new Workflow for a selected function.

The Workflow Search and List page allows you to create a new Workflow for a selected function.

To create a new Workflow, follow these steps:

- 1. Navigate to the Workflow Search and List page.
- 2. Select the Application Name and Workflow Function Name.
- 3. Click Create Workflow. The Workflow Details page is displayed.

Note: The status of the Workflow is New.

| Workflow Details | | | | | |
|------------------|--|---|--|-----------------------|-------------------------|
| | Application Name Workflow ID ? Name* ? Description* ? | | Workflow Function Name | Obligation Assessment | 🖬 Save Draft 📑 Cancel |
| | Effective Date* ? | | Default Workflow ?* ? | | • |
| | Busniness Line ? | 2 | | | |
| | Location ? | 2 | | | |
| | Comments ? | | | | |
| | Created By ? Last Modified By ? | | Created Date ? Last Modified Date ? | | |

Figure 10. Workflow Details page

4. Enter the following information in the Workflow Details page.

Table 2. Workflow Details

| Field | Description |
|------------------------|--|
| Application Name | This is the application name in which Workflow Manager is installed. The field is auto populated. |
| Workflow Function Name | This is the Workflow Function name to which Workflow being created. The field will be auto populated. |
| Workflow ID | Displays the sequential tracking number given to a Workflow. (system generated) |
| Name | Enter the name of the Workflow. This field allows you to enter a maximum of 300 characters. Note: If you try to save the Workflow details without entering the Workflow name, the application displays the following message: <i>Please enter the Workflow Name.</i> |
| Description | Enter a brief description of the Workflow. The description field in the Workflow Details page allows you to enter a maximum of 3000 characters. As you begin entering the comments, the word count displayed below the Description text box keeps decreasing. If you try to enter more than 3000 characters in this field, the following error message is displayed: <i>Number of characters exceeded</i> . |
| Effective Date | Select the date from which Workflow is activated, from the calendar. The Workflow is activated automatically from the defined Effective Date using the Batch run. |
| Default Workflow | Select the default status of the Workflow Rule as Yes or No. |
| | If you select the Default Workflow as Yes, then the Workflow is applicable to all Business Line and Location. After selecting this option as Yes, Business Line and Location fields is disabled. |
| | • If you select the Default Workflow as <i>No</i> , then the Workflow is applicable to selected Business Line and Location. After selecting this option as <i>No</i> , Business Line and Location fields is enabled to enter the details. |
| Business Line | Select the business line where the Workflow is applicable from the hierarchy browser. Workflow are mapped to the business line (for example, Product, Corporate, and so on). |
| Location | Select the location where the Workflow is applicable from the hierarchy browser. Workflow are mapped to the location (for example, London, Bangalore, and so on). |
| Comments | Enter remarks if applicable. Note: If you try to enter more than 3000 characters in the Comment field, the application displays the following message: <i>Number of characters exceeded</i> . |
| Created By | Shows the user's name who created the workflow. This field is auto populated after saving the Workflow. |
| Created Date | Show the date on which the workflow was created. This field is auto populated after saving the Workflow. |
| Last Modified By | Shows the user's name who last modified the workflow. This field is auto populated. |
| Last Modified Date | Shows the date on which the workflow was last modified. This field is auto populated. |

5. Click **Save Draft**. A Confirmation dialog box is displayed. If you click **OK**, the Workflow is saved and the Workflow Details page is displayed.

Note: The status of Workflow is changed to Draft.

Submitting a Workflow in Draft Status

A Workflow in Draft status can be submitted if all mandatory fields of Workflow Details are entered.

To submit a Workflow, follow these steps:

- 1. Navigate to the Workflow Search and List page.
- 2. Select the Application and Workflow Function Name.
- 3. Select a Workflow in *Draft* status. The Workflow Details page is displayed.

The Workflow Details page allows you to perform the following tasks in Draft status:

- Editing Workflow Details
- Attaching and deleting documents related to Workflow
- Viewing Workflow
- Viewing/Creating Workflow Rules
- Updating Workflow Stage Details

For more information on these sections, refer to the Managing Workflow Details section.

- 4. Enter the details before submitting the Workflow.
- 5. Click **Submit**. The following message is displayed: *Update Operation Successful*. The Status of the Workflow changes to *Inactive*.

Note: If the Effective date of Workflow is today's date, then the Workflow is Active from today's date.

Copying Workflow

The Copy Workflow functionality allows you to make a copy of existing Workflow. It copies the Stage details, Routing Rules, Notifications, and Tasks of existing Workflow.

To copy a Workflow, follow these steps:

- 1. Navigate to Workflow Search and List page.
- 2. Select the Application and Workflow Function Name. The list of Workflows is displayed.
- 3. Select a Workflow ID.
- 4. Click **Copy Workflow**. The Copy Workflow page is displayed.

| Application Name ? Operation Workflow ID ? 44082 Name* ? Description* ? | al Risk | Workflow Function Name ? Obliga | lion Assessment | |
|--|---------|---------------------------------|-----------------|--|
| Effective Date* ? | | Default Workflow ?* ? | • | |
| Business Line ? | | | | |
| Location ? | | | | |
| Comments ? | | | | |
| | Co | Back | | |
| | | | | |

Figure 11. Copying Workflow

5. Enter the following information.

| Table 3. | Copying | Workflow |
|----------|---------|----------|
|----------|---------|----------|

| Field | Description |
|------------------------|--|
| Application Name | Displays the name of the application. |
| Workflow ID | Displays the workflow ID. |
| Workflow Function Name | Displays the function name for the workflow. |
| Name | Enter the name for the workflow. This is a mandatory field. |
| Description | Enter the description for the workflow. This is a mandatory field. |
| Effective Date | Enter the effective date which should be greater or equal to the present date from the calender look-up. |
| Default Workflow | Select Yes or No from the drop-down list to indicate if the workflow is default or not. |
| Business Line | Select the business line from the look-up menu. |
| Location | Select the location from the look-up menu. |
| Comments | Enter any additional comments in this section. |

6. Click Copy. The Workflow Details page is displayed.

The following message is displayed: Workflow Copied message is displayed.

7. Click **OK**. The status of the workflow changes to *Draft*.

Note: The status of the new Workflow is *Draft*, irrespective of the status of the parent Workflow from which it is copied.

Managing Workflow Details

The Workflow Details page allows you to manage functionalities pertaining to the Workflow.

This section explains the following topics:

- Managing Details
- Managing Workflow Rules
- Managing Workflow Stage Details
- Viewing Workflow Process

Managing Details

This tab displays the complete information about the Workflow.

This section allows to perform following tasks:

- Editing Workflow Details
- Attaching and Deleting Documents

Editing Workflow Details

This section describes how to edit and update the existing Workflow details. You can edit the Workflow details when it is in *Draft* status.

The following details can be edited:

- Name
- Description
- Effective Date
- Business Line
- Location
- Default Workflow
- Comments.

Note: You can edit Business Line and Location fields only if the Default Workflow option is selected as No.

To edit a Workflow, follow these steps:

- 1. Navigate to the Workflow Search and List page.
- 2. Select the Application and Workflow Function Name.
- 3. Select a Workflow ID. The Workflow Details page is displayed.
- 4. Click Workflow Details tab.
- 5. Click Edit. The editable fields are enabled in the Workflow Details page.
- 6. Modify the necessary information. For more information about the Workflow Details page, refer to Table 2.
- 7. Click Update. The following message is displayed: Update Operation Successful.
- 8. Click **OK** to confirm the changes. The updated Workflow Details page is displayed.

Attaching and Deleting Documents

The Workflow page allows you to attach or delete documents related to a Workflow.

For more details on attaching and deleting documents, refer to ORGCM User guide, General Feature Chapter.

Managing Workflow Rules

This section allows you to manage the Workflow Rules. You can map a rule from Default workflow to another workflow using the Rule repository. If the rule is not defined, then you can create the rule and map it.

This section allows you to perform the following tasks:

- Creating Workflow Rule
- Editing Workflow Rule
- Deleting Workflow Rule
- Searching Workflow

Creating Workflow Rule

You can create a new Workflow Rule using the Create Workflow Rule option. You can map the workflow rule to

Stage details, Notification, or Task, if workflow in draft, inactive, and active status.

To create a Workflow Rule, follow these steps:

- 1. Navigate to the Workflow Search and List page.
- 2. Select the Application Name and Workflow Function Name.
- 3. Click a Workflow ID. The Workflow Details page is displayed.
- 4. Click Workflow Rules. The Workflow Rule Details page is displayed.
- 5. Click Create Workflow Rule. The Create Workflow Rule fields are displayed.

| flow.Manauer. >> Work | kflow Octaila, >> Workflo | ules. >> Workflow Rule Details | | 7 Status: |
|-----------------------|---------------------------|--------------------------------|------------------|--------------|
| forkflow Rule Details | L | | | |
| | Application* | perational Risk | 1 Ball Save | Cancel |
| | Workflow Functions* | | | |
| | | 085 | | |
| | Name* 7 | | | |
| | Description* ? | | | |
| | Type* 7 | | Status* 7 Enable | |
| | Rule Logic 2 | 0 | Source Enable | |
| | | | | |
| | Comments 7 | | | 1 |
| | | | | - |
| | Notes 7 | | | |
| | Created By ? | | Created Date 7 | |
| | Last Modified By 7 | | Modified Date ? | |

Figure 12. Workflow Rule Details Page

6. Enter the following information in the Workflow Rule Details page.

Table 4. Components of the Workflow Rule Details Page

| Field | Description |
|-------------------|--|
| Application | This field is auto-populated and shows the selected Application name. You cannot edit this field. |
| Workflow Function | This field is auto-populated and shows the selected Workflow Function name. You edit the Workflow function name, if required. |
| Rule ID | This is an auto populated sequential tracking number assigned to Workflow Rules. This field is not editable. |
| Name | Enter the name of the Workflow Rule. This field allows you to enter a maximum of 300 characters. Note: If you try to save the Workflow Rule details without entering the Workflow Rule name, the application displays the following message: <i>Please enter the Workflow Rule Name</i>. |
| Description | Enter a brief description of the Workflow Rule. The description field in the Workflow Rule Details page allows you to enter a maximum of 3000 characters. As you begin entering the comments, the word count displayed below the Description text box keeps decreasing. If you try to enter more than 3000 characters in this field, the following error message is displayed: <i>Number of characters exceeded</i>. |

| Field | Description |
|--------------------|---|
| Туре | Select the type of Workflow rule. The following values are possible for Type drop-down: Routing Rule: Select the Type of Workflow Rule as <i>Routing Rule</i>, if the Rule belongs to any Routing stage. |
| | • User Decision Rule: Select the Type of Workflow Rule as <i>User Decision Rule</i> , if the Rule belongs to user's decision. |
| | • User Allocation Rule: Select the Type of Workflow Rule as User Allocation Rule, if the Rule belongs to user's irrespective of User's role. |
| | • Role Allocation Rules: Select the Type of Workflow Rule as <i>Role Allocation Rule</i> , if the Rule belongs to user's Role allocation irrespective of User. |
| Status | Enter the Status of the Workflow rule as Enable or Disable. Enable: If the Workflow Rule is Enabled, then the Workflow Rule is effective for Workflow. |
| | • Disable : If the Workflow Rule is Disabled, then the Workflow Rule is not effective for the Workflow. |
| Rule Logic | Enter the logic of Workflow Rule in standard programming language (SQL Query). If you try to enter more than 3000 characters in the Rule Logic field, the application displays the following message: <i>Number of characters exceeded</i> . |
| Comments | Enter remarks if applicable. Note: If you try to enter more than 3000 characters in the Comments field, the application displays the following message: <i>Number of characters exceeded</i> . |
| Notes | Enter the notes, if required. Note: If you try to enter more than 3000 characters in the Notes field, the application displays the following message: <i>Number of characters exceeded</i> . |
| Created By | Shows the user's name who created the workflow Rule. This field is auto populated after saving the Workflow. |
| Created Date | Shows the date on which the workflow Rule was created. This field is auto populated after saving the Workflow. |
| Last Modified By | Shows the user's name who last modified the workflow Rule. This field is auto populated. |
| Last Modified Date | Shows the date on which the workflow Rule was last modified. This field is auto populated. |

7. Click Save button. A confirmation message is displayed: Add Operation Successful.

8. Click **OK**. The Workflow Rule is saved.

Editing Workflow Rule

This option allows you to edit or update an existing Workflow Rule.

To edit a Workflow Rule, follow these steps:

- 1. Navigate to the Workflow Search and List page.
- 2. Select the Application Name and Workflow Function Name.
- 3. Click a Workflow ID. The Workflow Details page is displayed.
- 4. Click Workflow Rules.
- 5. Select a Rule. The Workflow Rule Details page is displayed.

- 6. Click **Edit**. Following editable fields are enabled to update: Workflow Function, Name, Description, Type, Status, Rule Logic, Comments, and Notes.
- 7. Modify the necessary information. For more information about the Workflow Rule Details page, refer Table 2.
- 8. Click Update. The following confirmation message is displayed: Update Operation Successful.
- 9. Click **OK** to confirm the update.

Deleting Workflow Rule

You can delete an existing Workflow Rule, which is not required to map to any Stage details, Notification, or Tasks. If the Workflow rule is mapped to any stage details, notification, tasks and you try to delete that workflow rule, then an error message is displayed.

To delete a Workflow Rule, follow these steps:

- 1. Navigate to the Workflow Search and List page.
- 2. Select the Application Name and Workflow Function Name.
- 3. Select a Workflow ID. The Workflow Details page is displayed.
- 4. Click Workflow Rules.
- 5. Select a Workflow Rule for which **Stages Associated** field is set as "0" (that shows, the rule is mapped with any stage details, Notification, or Task). You cannot delete Workflow rule, if the **Stage Associated** field of it is set to any other value.
- 6. Click Delete Workflow Rule. The following message is displayed: Are sure you want to delete this record?
- 7. Click OK. The following message is displayed: Delete Operation Successful.

Searching Workflow Rules

This section explains you how to search and filter the existing Workflow Rules. The Workflow Rule Search and List page allows you to filter the Workflow Rules that you want to view and analyze.

The Workflow Rule search section supports two types of search that is Search by Views, and Search and you can use only one search at a time.

This section explains the following topics:

- Searching Workflow Rules Using Basic Search
- Searching Workflow Rules Using Pre-defined Views

Searching Workflow Rules Using Basic Search

This search is based on limited set of search criteria and helps you to retrieve the relevant Workflow Rules.

To search for a Workflow Rule using the basic search, follow these steps:

- 1. Navigate to the Workflow Search and List page.
- 2. Select a Workflow ID in *Draft* Status. The Workflow Details page is displayed.
- 3. Click Workflow Rules

| ŀ | pplication* | Operational Risk | • | Workflow Functions* | Control | • | | ID ? | |
|--|--|--|---|----------------------|----------------------------|--------------------|------------------------|------------------------------|---|
| | Туре | | * | | | | | | |
| Last Modi | fied (>=) ? | | 2 | Last Modified (<=) ? | | 1 | Sta | tus ? | * |
| | | and the second sec | | | | | | | |
| | and the second s | Delete Workflow Rule 💹 Unwraj | | | Туре | Status | Associations | Last Modified | |
| Rule ID 335 | Name | Delete Workflow Rule 💹 Unwray | Description Control Assessor N | otification | Type User Decision Rule | Status Enabled | Associations | Last Modified 27-Mar-2013 | |
| Rule ID | Name Rule to g | | Description | | 1.20 | | Associations 1 1 | | |
| Rule ID | Name Rule to g Rule to g | et the Control Assessor et the Control owner | Description Control Assessor N Rule to get the Cont | | User Decision Rule | Enabled | Associations 1 1 2 | 27-Mar-2013 | |
| Bits Rule ID Image: 335 335 Image: 336 336 | Name Rule to g Rule to g Send no | et the Control Assessor et the Control owner | Description Control Assessor N Rule to get the Cont Send notification to r | rol owner | User Decision Rule | Enabled Enabled | Associations 1 1 2 1 | 27-Mar-2013 27-Mar-2013 | |

Figure 13. Searching Workflow Rule Using Basic Search

Note: By default, the Workflow Rule Search and List page displays all the Workflow Rules for selected Application and Workflow Function.

4. Enter the following search criteria in the basic search fields to filter the Workflow Rule list.

| Criteria | Description | | | | |
|--------------------|--|--|--|--|--|
| Application | Select the application for which Workflow Manager is installed. | | | | |
| Workflow Function | Select the function of an application. | | | | |
| | It is enabled after selecting the Application name in Application field. | | | | |
| ID | Enter the sequential tracking number of the Workflow. This field allows you to enter a maximum of 8 numeric values. | | | | |
| Туре | Select the category to which the Workflow Rule belongs, from the drop-down list. | | | | |
| | Following are the possible values for Workflow Rule Type drop-down list: | | | | |
| | Routing Rule | | | | |
| | User Decision Rule | | | | |
| | User Allocation Rule | | | | |
| | Role Allocation Rules | | | | |
| Last Modified From | Select the last modified date from the calendar to display Workflow Rules having modified date greater than or equal to the specified date. | | | | |
| | Validations: | | | | |
| | If the date entered in Last Modified From is later than the date entered in Last Modified To the application displays the following message: <i>Please verify the range selected in Last</i> | | | | |
| | Modified Date. | | | | |

Table 5. Basic Workflow Rule Search Criteria

 Table 5. Basic Workflow Rule Search Criteria

| Criteria | Description | | |
|------------------|---|--|--|
| Last Modified To | Select the last modified date from the calendar to display Workflow Rules having modified date less than or equal to the specified date. | | |
| | Validations: If the date entered in Last Modified From is later than the date entered in Last Modified To, the application displays the following message: <i>Please verify the range selected in Last</i> <i>Modified Date.</i> | | |
| Status | Select the Workflow Rule status from the drop-down Following are the possible values for Status drop-down list: | | |
| | EnableDisable | | |

5. Click **Go**. The relevant search list is displayed.

Note: You can click Clear to reset the search fields to blank.

Warning: If there are no matched details with the given search criteria then the Alert pop-up window displays following message: *No records found with the given search criteria*.

Searching Workflow Rules Using Pre-defined Views

Views search represents pre-populated search criteria and helps you to filter the Workflows Rule based on the pre-defined views.

To search for a Workflow Rule using pre-defined views, follow these steps:

- 1. Navigate to the Workflow Search and List page.
- 2. Select the Application and Workflow Function Name.
- 3. Select a Workflow ID in *Draft* Status. The Workflow Details page is displayed.
- 4. Click Workflow Rules.
- 5. Click Views. The Views drop-down list is displayed

| Norkill | | Workflow Details, >> Workflow Rules | - Search | | | | | 7 He |
|---------|----------------|---|--|--------------------|---------|--------------|---------------|----------------|
| Vorkt | low Rules (327 | • | | | | | | 1/14 00 0 3 30 |
| 3 10 | Create Workflo | w Rule 🗇 Delete Workflow Rule 🖾 Unv | vrap | | 121 | 511 | 5.64 90 | |
| A | Rule ID | Name | Description | Туре | Status | Associations | Last Modified | |
| 12 | 0093 | PROCESS OWNER | PROCESS OWNER | User Decision Rule | Enabled | 1 | 10-Jul-2014 | |
| 10 | 8892 | KEY INDICATOR OWNER | KEY INDICATOR OWNER | User Decision Rule | Enabled | 1 | 10-Jul-2014 | |
| 10 | 8891 | INCIDENT OWNER | INCIDENT OWNER | User Decision Rule | Enabled | 1 | 10-Jul-2014 | |
| 13 | 20205 | Incident Owner | Incident Owner | Routing Rule | Enabled | 1 | 10-Jul-2014 | |
| 12 | 20208 | Key Indicator Owner | Incident Owner | Routing Rule | Enabled | 1 | 10-Jul-2014 | |
| 10 | 20209 | Process Owner | Incident Owner | Routing Rule | Enabled | 1 | 10-Jul-2014 | |
| 10 | 8890 | CONTROL OWNER | CONTROL OWNER | User Decision Rule | Enabled | 1 | 10-Jul-2014 | |
| 10 | 20205 | Control Owner | Control Owner | Routing Rule | Enabled | 1 | 10-Jul-2014 | |
| 10 | 21394 | When BCP -Challenge is Approved | When BCP -Challenge is Approved | Routing Rule | Enabled | 1 | 10-Jul-2014 | |
| 100 | 16469 | Task Challenge -BCP Challenged | Task Challenge -BCP Challenged | User Decision Rule | Enabled | 1 | 09-Jul-2014 | |
| 10 | 19507 | pick the bcp owner Unresolved - BCP | (a) pick the bcp owner Unresolved - BCP Chall | User Decision Rule | Enabled | 1 | 09-Jul-2014 | |
| 10 | 20000 | on Challenger challenging the Plan | on Challenger challenging the Plan | Routing Rule | Enabled | 1 | 09-Jul-2014 | |
| 10 | 12524 | Choose the challenger for BCP Challe | Choose the challenger for BCP Challenge | User Decision Rule | Enabled | 2 | 15-May-2014 | |
| 10 | 12524 | Choose the challenger for BCP Challe | Choose the challenger for BCP Challenge | User Decision Rule | Enabled | 1 | 15-May-2014 | |
| 10 | 12523 | To Restrict Notification only for BCP | To Restrict Notification only for BCP | Routing Rule | Enabled | 1 | 15-May-2014 | |
| 10 | 1100 | Respondents Attached to Scope | Respondents Attached to Scope | User Decision Rule | Enabled | 1 | 19-Mar-2014 | |
| 10 | 102 | Risk Assessor of the attached Scope It | B Risk Assessors of the respective Scope Items | User Decision Rule | Enabled | 1 | 19-Mar-2014 | |

Figure 14. Searching Workflow Rule Using Views

6. Select any of the pre-defined views from the Views drop-down list. The relevant Workflow Rule list page is displayed.

The following table explains the different types of pre-defined views available.

Table 6. Workflow Views

| View Type | Description |
|-------------------------|---|
| Active Allocation Rules | Select <i>Active Allocation Rules</i> from the Views drop-down list to display the Allocation Workflow Rules which are in enabled status in descending order of the last modified date. |
| Active Routing Rules | Select <i>Active Routing Rules</i> from the Views drop-down list to display the Routing Workflow Rules which are in enabled status in descending order of the last modified date. |

Managing Workflow Stage Details

This section allows you to manage the Workflow Stage details. You can define the followings Stages of Workflow, that is how and when Workflow is moved from one stage to another with Notifications and Tasks.

This section allows you to perform following tasks:

- Creating Workflow Stage
- Adding Routing Rules
- Adding Notification
- Adding Tasks
- Mapping of User Roles
- Mapping of Users
- Mapping of User Allocation Rule
- Mapping of Role Allocation Rule
- Mapping of User Decision Rule

Creating Workflow Stage

You can create a new Workflow Stage using the Create Workflow Stage option, when a Workflow is in *Draft, Active,* or *Inactive* status.

To create a Workflow Stage, follow these steps:

- 1. Navigate to the Workflow Search and List page.
- 2. Select the Application Name and Workflow Function Name.
- 3. Select a Workflow ID from the Workflow Search and List page. The Workflow Details page is displayed.
- 4. Select the Workflow Stage Details section.
- 5. Click Create Workflow Stage.

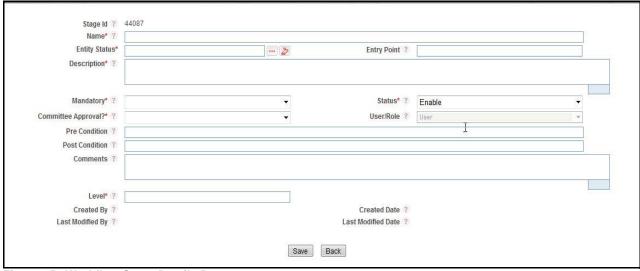


Figure 15. Workflow Stage Details Page

6. Enter the following information in the Workflow Stage Details page.

Table 7. Components of the Workflow Stage Details Page

| Field | Description |
|-------------------|---|
| Application | This field is auto-populated and shows the selected Application name. You cannot edit this field. |
| Workflow Function | This field is auto-populated and shows the selected Workflow Function name. You cannot edit this field. |
| Stage ID | This is an auto populated sequential tracking number assigned to Workflow Stages. This field is not editable. |
| Name | Enter the name of the Workflow Stage. This field allows you to enter a maximum of 300 characters. Note: If you try to save the Workflow Stage details without entering the Workflow Stage name the application displays the following message: <i>Please enter the Workflow Stage name</i>. |
| Entity Status | Enter the Entity Status in which the workflow stage is applicable, from hierarchy browser. For example, in case of Incident module, the Entity Status can be New, Closed, Approved, and so on. |
| Entry Point | Enter the Entry path for the Workflow, that is you can select a path at which the Workflow enters. This field is numeric and the values are set in individual Stages. |
| Description | Enter a brief description of the Workflow. The description field in the Workflow Details page allows you to enter a maximum of 3000 characters. As you begin entering the comments, the word count displayed below the Description text box keeps decreasing. If you try to enter more than 3000 characters in this field, the following error message is displayed: <i>Number of characters exceeded</i> . |
| Mandatory | Select this field as yes if the stage is to be made mandatory. If You have selected this option as Yes, then workflow cannot skip the stage. |

| Table 7. | Components | of the Workflow | Stage Details Page |
|----------|------------|-----------------|--------------------|
| | components | | Olage Delans I age |

| Field | Description |
|--------------------|---|
| Status | Enter the Status of the Workflow Stage as Enable or Disable. |
| Committee Approval | Select this option as yes or No. If you select this option as yes then a committee approval is required to move to next stage, that is Workflow does not proceed until all the users of task have worked on it. |
| User/Role | If this is selected as user, then all the tasks for which the user is the assigned user is completed on completion of any one related task in stage. If this is selected as Role, then all the tasks with roles similar to the logged in user is completed on completion of any one related task in stage. |
| Pre Condition | Enter the name of procedural condition which should be satisfied, before reaching this stage. |
| Post Condition | Enter the name of procedural condition which is to be checked, to reach the next stage. |
| Level | Enter the Level to which the Workflow Stage belongs. This field accepts only numeric values. |
| Comments | Enter remarks if applicable. Note: If you try to enter more than 3000 characters in the Comment field, the application displays the following message: <i>Number of characters exceeded</i> . |
| Created By | Shows the user's name who created the Workflow Stage. This field is auto populated after saving the Workflow. |
| Created Date | Show the date on which the Workflow Stage was created. This field is auto populated after saving the Workflow. |
| Last Modified By | Shows the user's name who last modified the Workflow Stage. This field is auto populated. |
| Last Modified Date | Shows the date on which the Workflow Stage was last modified. This field is auto populated. |

7. Click Save button. The Workflow Stage is saved and is displayed under Workflow Stages section.

Adding Routing Rules

Routing rules are the criteria to determine how a workflow moves between stages. This is performed with the help of adding routing rules which have the logic defined for moving the next stage.

To map a routing rule to a Workflow Stage from the Workflow Details window, follow these steps:

- 1. Navigate to the Workflow Search and List page.
- 2. Select the Application Name and Workflow Function Name.
- 3. Click a Workflow ID from the Workflow Search and List page. The Workflow Details page is displayed.
- 4. Select the Workflow Stage Details tab.
- 5. Select the Workflow Stage ID, to which you want to map a routing rule.
- 6. Click Map Rules button in the Routing Rules grid.
- 7. The Workflow Rule Details window is displayed.

| Ø | Status* ? Enable Created Date ? | 2 |
|-----|---------------------------------|-----------|
| Lac | | |
| Lac | | |
| Lus | st Modified Date ? | |
| | | |
| | | |
| | | |
| | Save Back | Save Back |

Figure 16. Adding Routing Rules

Enter the following details in the Routing Rules page:

Table 8. Adding Routing Rules

| Field | Description |
|--------------------|---|
| Next Stage | Select the Next Stage to where Workflow should move from the current selected stage, from Hierarchy Browser. |
| Rule Sequence | Enter the rule execution sequence number. |
| | This is the order/sequence in which the Rule has to be executed in comparison with the other rules available. |
| Rules | Select the Routing Rule from Hierarchy Browser. For example, for Incident Module, Approval is a Rule. |
| Status | Select Enable if the rule is to be enabled on the Workflow Stage and Disable otherwise. |
| | By default, it is set to Enable . |
| Created By | This field is auto populated with the name of the user, who created this rule. |
| Created Date | This field is auto populated with the date on which the rule is created. |
| Last Modified By | This field is auto populated with the name of the user, who modified the rule. |
| Last Modified Date | This field is auto populated with the date on which the rule is last modified. |

8. Click Save button.

The rule is mapped to the Stage and is displayed under *Routing Rules* section. You can click the **Rule ID** to view and edit the rule definition details.

You can also select the check box adjacent to a Rule ID and perform the following:

- Click **Enable Rule** button from the *Routing Rules* grid to enable the selected rule. This button is enabled only if you have selected a disabled rule.
- Click **Disable Rule** button from the *Routing Rules* grid to disable the selected rule. This button is enabled only if you have selected an enabled rule.

Adding Notification

You can create notifications to be generated, during the entry to a Stage, in the Stage, or during exit from a Stage.

• on Exit option:

For example, in case of Incident module, the Incident Owner receives a Notification after approval of the Incident.

• on Entry option:

For example, in case of Incident module, the Incident Approver receives a Notification to approve the Incident.

• on Stage option:

For example, in case of Incident module, the Obligation Owner receives a Notification, that the Obligation is linked with the Incident.

To add a notifications from the Workflow Details window, follow these steps:

- 1. Navigate to the Workflow Search and List page.
- 2. Select the Application Name and Workflow Function Name.
- 3. Select a Workflow ID from the Workflow Search and List page. The Workflow Details page is displayed.
- 4. Click Workflow Stage Details tab
- 5. Select the Workflow Stage.
- 6. Click Notifications. The Notifications grid is displayed.
- 7. Click **Create Notification** button. The *Workflow Notifications Details* page is displayed with the details such as Application Name, Workflow Function Name, and Stage Name.

| Application Nar | ne ? Operational Risk | | Workflow Function | n Name ? Obligation Assessme | ent |
|--------------------|-----------------------|------|----------------------|------------------------------|-----|
| Stage Nar | ne ? New | | | | |
| | | | | | |
| Notification ID ? | 44095 | | | | |
| Name* ? | | | | | |
| Generate* ? | On Entry | · • | | | |
| E-Mail Required ? | Yes | ¥. | | | |
| Description* ? | | | | | |
| | | | | | |
| Assess Dightst 2 | | | Statust 3 | | |
| Access Rights* ? | | - | Status* ? | Enable | - |
| Created By ? | | | Created Date ? | | |
| Last Modified By ? | | | Last Modified Date ? | | |
| | | Save | ack | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Figure 17. Create Notification Page

Enter the following details in the Notification page.

| Table 9. | Creating | Notification |
|----------|----------|--------------|
| Tuble 5. | orcating | Notification |

| Field | Description |
|--------------------|--|
| Notification ID | This is an auto populated sequential tracking number assigned to the Notifications. This field is not editable. |
| Name | Enter the name of the notification. |
| | This field is alphanumeric and the maximum allowed characters are 300. |
| Generate | Select from the drop down list, when to display the notification. |
| | The available values are: |
| | • On Entry: If this option is selected, then notification is generated on the entry of Stage of Workflow. For example, in case of Incident module, the Incident Owner receives a notification about the Pending Owner status. |
| | • On Exit: If this option is selected, then notification is generated on the exit of Stage of Workflow. For example, in case of Incident module, the Incident Owner receives a notification about the Approved status. |
| | • On Stage: If this option is selected, then notification is generated during the Stage of Workflow. For example, in case of Incident module, the Incident Owner receives a notification about the Pending Approval status. |
| Description | Enter the description for the notification. |
| | This field is alphanumeric and the maximum allowed characters are 3000. |
| Access Rights | Select the access rights from the drop down list. |
| | The available values are: |
| | Single: In Single, you can add only one role. Users of a specific role (for example, in case of Incident module, it can be Approvers and so on) can be selected and rules can be mapped for those users. |
| | Multi: In Multi, multiple roles can be added and branching of users can be done. Rules can be added from the repository to choose which role should be given for notification access based on defined conditions. |
| | • User Defined: In User Defined, the behavior is as defined from the front-end. |
| | Default Access: Default Access overrides all conditions of that Workflow and provides Stage access to the selected role and users. For example, in case of Incident module, the Incident moves to the default user irrespective of user. |
| Status | Select the status of the notification as Enable or Disable . If the status of Notification is set as Enable, then only the Notification is generated. |
| Created By | This field is auto populated with the name of the user, who created this notification. |
| Created Date | This field is auto populated with the date on which the notification is created. |
| Last Modified By | This field is auto populated with the name of the user, who last modified the notification. |
| Last Modified Date | This field is auto populated with the date on which the notification is last modified. |

8. Click **Save** button. The notification is saved. After saving a Notification, you can perform the following functions based on the access right selected:

- Mapping of User Role: This option allows you to map a notification with a User Role. For more information on Mapping of User Role, refer to *Mapping of User Roles* section.
- Mapping of Users: This option allows you to map a user to the notification. For more information on Mapping of Users, refer to *Mapping of Users* section.

- Mapping of Role Allocation Rule: This option allows you to map a Rule to a Role. For more information on Mapping of Role User Allocation Rule, refer to *Mapping of Role Allocation Rule* section.
- Mapping of User Allocation Rule: This option allows you to map a Rule to a User. For more information on User Allocation Rule, refer to *Mapping of User Allocation Rule* section.
- Mapping of User Decision Rule: This options allows you to map a decision Rule to a Role. For more information on Mapping of User Decision Rule, refer to *Mapping of User Decision Rule* section.

| | me ? Operational Risk | | Workflow Function | n Name ? Obligation Assessment | |
|----------------------------------|----------------------------------|--------|--|--------------------------------|---|
| Stage Nan | me ? 4 | | | | |
| | | | | | |
| Notification ID ? | 44098 | | | | |
| Name* ? | Notification | | | | |
| Generate* ? | On Entry | | | | |
| E-Mail Required ? | Yes | • | | | |
| Description* ? | Test | | | | |
| | | | | | |
| Assess Diabtet 2 | 128-8 | | Ctatuat 2 | | |
| Access Rights* ? | Single | | Status* ? | Endore | * |
| Created By ? | Tom Harley | | Created Date ? Last Modified Date ? | 26-Aug-2014 06:26:58 | |
| Last Modified By 🔅 | | | Last modified Date : | | |
| 🗄 🛛 User Roles (0) 🙀 Map Role | Enable Role Disable Role 💹 V | Jnwrap | | | |
| 🗄 Users (0) 🧟 Map User Enabl | ole User Disable User 💹 Unwr | ар | | | |
| 🗄 User Allocation Rule (0) 💯 I | | | | | |
| | nup beer mare i | | | | |
| | | Save | ĸ | | |
| | | | | | |
| | | | | | |
| | | | | | |

Figure 18. Create Notification Page

- 9. Click **Back** to navigate the Workflow Stage Details page. Here, you can perform following functions in the Notification grid:
 - Enable Notification: If the Notification is set to enable, then only the Notification will be generated. Click Enable Notification button from the *Notifications* grid to enable the selected notification. Only Disabled Notification can be Enabled. After clicking on Enable Notification, a message is displayed: *Update Operation Successful*. Click OK.
 - Disable Notification: Click Disable Notification from the Notifications grid to disable the selected notification. Only Enabled Notification can be Disabled. After clicking on Disable Notification, a message is displayed: Update Operation Successful. Click OK.
 - Mapping of Rule to Notification: Click Map Rule from the *Notification Rules* grid to map and link a Notification to a rule. For more information, refer to *Mapping of Notification to Rule* section.
 - Enable Rule: Click Enable Rule from the Notification Rules grid to enable the selected rule. Only Disabled Rule can be Enabled. After clicking on Enable Rule, a message is displayed: Update Operation Successful. Click OK. You can enable only one Active Rule at a time. Disable Rule: Click Disable Rule button from the Notification Rules grid to enable the selected rule. Only Enabled Rule can be Disabled. After clicking on Disable Rule, a message is displayed: Update Operation Successful. Click OK.
 - View Language: This option allows you to change the langauge of the Notification as per locale. Select a language under the Language Manager grid to select and save a language in which the notification has to be displayed. You can modify the Notification name if required as per locale. This grid is active only after selecting a Notification ID from Notification grid. By default, the language is set to english. You can edit the same to other languages if the language pack is available.

Mapping of Rule to Notification

After adding a Notification, you can map an existing workflow rule to notification. You can map a Rule to Notification when the Workflow is in Draft, Active, or Inactive status.

To map a notification to a rule, follow the steps given below:

- 1. Navigate to the Workflow Search and List page.
- 2. Select the Application Name and Workflow Function Name.
- 3. Select a Workflow ID from the Workflow Search and List page. The Workflow Details page is displayed.
- 4. Click the Workflow Stage Details tab.
- 5. Select the defined Workflow Stage ID.
- 6. Select the Notification to which you want to map the rule. For more information on adding a Notification, refer to *Adding Notification* section.

Note: You should select a Notification from Notification grid before mapping a rule, else following message is displayed: *Please select a Notification rules*. At least one rule should be mapped to the notification with enable status. If you want to map any another rule to that notification, then first you will have to disable the existing rule.

- 7. Click Map Rule button from the Notification Rules grid. The Map Rule window is displayed.
- 8. In Map Rule window, select the Rule and click **Link**. You can map only one active rule to a notification. For more information on Workflow Rule, refer to Managing Workflow Rules section.

| Rule ID | | Rule Name | |
|------------------------|---|---|--|
| 🗏 Rules (5) 💹 Unwrap |) | | |
| Rule ID | ۸ | Rule Name | |
| 1212 | | Obligation | |
| 1213 | | Obligation | |
| 1214 | | Assessor for Questionnaire based Obligation Assessment | |
| 1215 | | On Creating a draft Questionnaire based Obligation Assessment from Planning and Scoping | |
| 1216 | | checking whether quest is linked or nnot | |
| | | Link Cancel | |
| | | | |

Figure 19. Mapping Rule to Notification

Adding Tasks

You can pre-define tasks to be executed during the entry to a Stage, in the Stage, or during exit from a Stage.

• on Exit option:

For example, in case of Incident module, the Incident Owner receives a Task with Approval status after approval of the Incident.

• on Entry option:

For example, in case of Incident module, the Incident Approver receives a Task with Pending Approval status to approve the Incident.

• on Stage option:

For example, in case of Incident module, the Obligation Owner receives a Task, that the Obligation is linked with the Incident.

To create a task from the *Workflow Details* window, follow these steps:

- 1. Navigate to the Workflow Search and List page.
- 2. Select the Application Name and Workflow Function Name.
- 3. Click a Workflow ID from the Workflow Search and List page. The Workflow Details page is displayed.
- 4. Click the Workflow Stage Details tab.
- 5. Select the Workflow Stage ID.
- 6. Click Tasks. The Tasks grid is displayed.
- 7. Click **Create Task**. The *Workflow Tasks* Details page is displayed with the details such as Application Name, Workflow Function Name, and Stage Name.

| Application Name | ? Operational Risk | | | | | |
|-----------------------------------|---|-----------------|----------------------------------|-------------------------|------------|---|
| Workflow Function Name | ? Obligation Assessment | | | | | |
| Stage Name | ? Draft | | | | | |
| | | | | | | |
| Task ID ? | 2632274 | | | | | |
| Name* ? | Scheduled Assessment - Assess Oblig | gation | | | | |
| Generate* ? | On Entry | ~ | Expiry Days ? | | | |
| E-Mail Required ? | Yes | ~ | | | | |
| Description* ? | ion* ? Obligation Assessor assessment task from plannig and scoping | | | | | |
| | | | | | | |
| | | | | | | |
| Reminder Required* ? | Yes | ~ | Reminder Notification ? | Reminder Notification | | 2 |
| Escalation Required* ? | Yes | ~ | Escalation Notification ? | Escalation Notification | | |
| Over Due Reminder Required* ? | Yes | ~ | Over Due Reminder Notification ? | Overdue Reminder Notifi | cation 🥢 🕹 | 2 |
| Access Rights* ? | Default Access | ~ | Status* ? | Enable | ` | - |
| Created By ? | Tom Harley | | Created Date ? | 22-Dec-2015 00:00:00 | | |
| Last Modified By ? | Tom Harley | | Last Modified Date ? | 22-Dec-2015 00:00:00 | | |
| 🖃 User Roles (1) 🖗 Map Role E | nable Role Disable Role 🖾 Unwra | ар | | | | |
| Role Name | | | | Stat | US | |
| Obligation Assessor Enable | | | | | ble | |
| | | | | | | |
| | Decision Rule Enable Rule Disable | e Rule Mowra | p | | | |
| | | | | | | |
| Assessor for Questionnaire bas | ed Obligation Assessment | | | Enal | ble | |
| | | S | ave Back | | | |

Figure 20. Creating Task Page

The following table describes the fields of the Task page.

| Field | Description | | |
|--------------------------------------|---|--|--|
| Task ID | This is an auto populated sequential tracking number assigned to tasks. This field is not editable | | |
| Name | Enter the name of the task. | | |
| | This field is alphanumeric and the maximum allowed characters are 300. | | |
| Sequence | Enter the sequence in which you want the task to be executed. | | |
| Generate | On Entry: If this option is selected, then notification is generated on the entry of Stage of Workflow. | | |
| | • On Exit: If this option is selected, then notification is generated on the exit of Stage of Workflow. | | |
| | • On Stage: If this option is selected, then notification is generated during the Stage of Workflow. | | |
| Description | Enter the description for the task. | | |
| | This field is alphanumeric and the maximum allowed characters are 3000. | | |
| Reminder Required | Select Yes or No from the Reminder Required drop-down list. Based on the selection set for reminder, the reminder is sent to the resective user. | | |
| Reminder Notification | If selected Yes in the above, the notication is displayed. Select the notification from the hierarch box accordingly. | | |
| Escalation Required | Select Yes or No from the Escalation Required drop-down list. Based on the selection set for escalation, the escalation is sent to the resective user. | | |
| Escalation Notification | If selected Yes in the above, the escalation is displayed. Select the escalation from the hierarchy box accordingly. | | |
| Over Due Reminder Required | Select Yes or No from the Over Due Reminder Required drop-down list. Based on the selection set for over due reminder, the over due reminder is sent to the resective user. | | |
| Over Due Reminder Notification | If selected Yes in the above, the over due reminder is displayed. Select the notification over due reminder from the hierarchy box accordingly. | | |
| Access Rights | Select the access rights from the drop down list. | | |
| | The available values are: | | |
| | Single: In Single, you can add only one role. Users of a specific role (for example, in case of Incident module, it can be Approvers and so on) can be selected and rules can be mapped for those users. | | |
| | • Multi: In Multi, multiple roles can be added and branching of users can be done. Rules can be added from the repository to choose which role should be given for notification access based on defined conditions. | | |
| | • User Defined: In User Defined, the behavior is as defined from the front-end. | | |
| | • Default Access: Default Access overrides all conditions of that Workflow and provides Stage access to the selected role and users. For example, in case of Incident module, the Incident moves to the default user irrespective of user. | | |

set as Enable, then only the Task is generated.

Select the status of the task from the drop down list as Enable or Disable. If the status of Task is

This field is auto populated with the name of the user, who created this task.

This field is auto populated with the date on which the task is created.

Status

Created By

Created Date

Table 10. (Continued)Creating Tasks

| Field | Description |
|-----------------------|--|
| Last Modified By | This field is auto populated with the name of the user, who modified the task. |
| Last Modified Date | This field is auto populated with the date on which the task is last modified. |

8. Click Save button. The task is saved. After saving a Task, you can perform the following functions:

- Mapping of User Role: This option allows you to map a notification with a Role. For more information
 on Mapping of User Role, refer to *Mapping of User Roles* section.
- Mapping of Users: This option allows you to map a user to the Task. For more information on Mapping of Users, refer to *Mapping of Users* section.
- Mapping of Role Allocation Rule: This option allows you to map a Rule to a Role. For more
 information on Mapping of Role User Allocation Rule, refer to *Mapping of Role Allocation Rule* section.
- Mapping of User Allocation Rule: This option allows you to map a Rule to a User. For more information on User Allocation Rule, refer to *Mapping of User Allocation Rule* section.
- Mapping of User Decision Rule: This options allows you to map a decision Rule to a Role.

For more information on Mapping of User Decision Rule, refer to Mapping of User Decision Rule section.

- 9. Click **Back** to navigate the Workflow Stage Details page. Here, you can perform following functions from Task grid:
 - Enable Task: Click Enable Task button from the *Tasks* grid to enable the selected notification. Only Disabled Task can be Enabled. After clicking on Enable Task, a message is displayed: *Update Operation Successful*. Click OK.
 - Disable Task: Click Disable Task button from the *Tasks* grid to disable the selected notification. Only Enabled Task can be Disabled. After clicking on Disable Task, a message is displayed: *Update Operation Successful*. Click OK.
 - Mapping of Rule to Task: Click Map Rule button from the *Task Rules* grid to map and link a Task to a rule.
 - Enable Rule: Click Enable Rule button from the *Task Rules* grid to enable the selected rule. Only Disabled Rule can be Enabled. After clicking on Enable Rule, a message is displayed: *Update Operation Successful*. Click OK. You can enable only one Active Rule at a time.
 - Disable Rule: Click Disable Rule button from the *Task Rules* grid to enable the selected rule. Only
 Enabled Rule can be Disabled. After clicking on Disable Rule, a message is displayed: *Update Operation Successful*. Click OK.
 - View Language: This option allows you to change the language of the Task as per locale. Select a language under the *Task Manager* grid to select and save a language in which the notification has to be displayed. You can modify the Notification name if required as per locale. This grid will be active only after selecting a Task ID from Task grid.

Mapping of Rule to Task

After adding a Task, you can map an existing workflow rule to the Task. You can map a Rule to the Task, when the status of Workflow is Draft, Active, or Inactive.

To map a Rule to a Task, follow the steps given below:

- 1. Navigate to the Workflow Search and List page.
- 2. Select the Application Name and Workflow Function Name.
- 3. Select a Workflow ID from the Workflow Search and List page. The Workflow Details page is displayed.
- 4. Select the Workflow Stage Details tab.
- 5. Select the defined Workflow Stage ID.
- 6. Select the Task to which you want to map the rule. For more information on adding a Task, refer to *Adding Task* section.

Note: You should select a Task from Task grid before mapping a rule, else following message is displayed: *Please select a Task rules. You should map* at least one rule Task with enable status. If you want to map another rule to the Task, then disable the existing rule.

- 7. Click Map Rule button from the Task Rules grid. The Map Rule window is displayed.
- 8. In Map Rule window, select the Rule and click **Link**. You can map only one active rule to a Task.For more information on Workflow Rule, refer to *Managing Workflow Rules* section

| 🖃 Search 🏼 🌙 Clear 📫 G | io | |
|--------------------------|----|---|
| Rule ID | | Rule Name |
| 🗏 Rules (5) 💹 Unwrap | | |
| Rule ID | * | Rule Name |
| 1212 | | Obligation |
| 1213 | | Obligation |
| 🔲 1214 🛛 🗍 | | Assessor for Questionnaire based Obligation Assessment |
| 1215 | | On Creating a draft Questionnaire based Obligation Assessment from Planning and Scoping |
| 1216 | | checking whether quest is linked or nnot |
| | | Link Cancel |

Figure 21. Mapping Rule to Task

Mapping of User Roles

You can map a Role to a Notification or a Task.

For example:

For Incident module, if you want an Incident Owner to receive a notification after approval of Incident by Incident Approver, then you can map the Incident Owner (Role) to the particular Notification. Here, the status of the Notification should be Enabled, and the Notification should be mapped to a Rule.

This option is available when you select the Access Right as Single, Multi, or Default Access on Create Notification or Create Task page.

To map a Role to Notification or a Task, follow the steps given below:

1. Access the Notification Details page or Task Details page, to which you want to map the Role. For more information on Adding Notification, refer to Adding Notification section. For more information on *Adding Tasks* section.

| | me ? Operational Risk me ? New | | Workflow Function | Name ? Obligation Assessment | |
|---------------------------|-----------------------------------|-------------------------|----------------------|------------------------------|-----|
| Notification ID ? | 81659114 | | | | |
| Name* ? | New Notification | | | | |
| Generate* ? | On Entry | * | | | |
| Description* ? | Test | | | | 299 |
| Access Rights* ? | Single | • | Status* ? | Enable | • |
| Created By ? | Tom Harley | | Created Date ? | 19-Dec-2013 15:27:56 | |
| Last Modified By ? | | | Last Modified Date ? | | |
| Roles (0) 🖗 Map Role | Enable Role Disable Role 🕅 | Unwrap | | | |
| (0) 🧟 Map User Enabl | e User Disable User 🔀 Un | wrap | | | |
| Allocation Rule (0) 📴 N | ap User Rule Enable Rule | Disable Rule 🔀 Unwrap | | | |
| | | Save | Back | | |

Figure 22. Create Notification Page

2. Click **Map Role** in User Roles grid. The list of User Roles is displayed. This list shows only those roles which are mapped to the Business Line and Location selected for a workflow. If the Workflow is set to default, then all roles is displayeded in this list.

| 2 | Role | | Role Description | |
|------|-----------------------|---|-----------------------|--------------------|
| 🗆 Ro | oles (129) 🔀 Unwrap | | | 1/13 《 < > » |
| 140 | Role | ▲ | Role Description | |
| | Action Assessor | | Action Assessor | |
| | Attestation Approver | | Attestation Approver | |
| | Attestation Reviewer | | Attestation Reviewer | |
| | Audit Action Assessor | | Audit Action Assessor | |
| | Audit Approver | | Audit Approver | |
| | Audit Assessor | | Audit Assessor | |
| | Audit Issue Approver | | Audit Issue Approver | |
| | Audit Issue Owner | | Audit Issue Owner | |
| | Audit Manager | | Audit Manager | |
| | Audit Officer | | Audit Officer | |
| | | (| Map Back | |

Figure 23. List of User Roles

3. Select a Role and click Map. A Confirmation message is displayed.

Mapping of Role Allocation Rule

This option allows you to add a new Role Allocation Rule. You can map a Role with a Rule.

For example:

For Incident module, if you have defined a rule for approval, then you can map this rule to Incident Approval role. In this case, the Incident Owner receives a notification, when the Approval condition is satisfied by the Incident Approver.

This option is available when you select the Access Right as Multi on Create Notification or Create Task page.

To add a User Allocation Rule, follow the steps given below:

1. Access the Notification Details page or Task Details page, to which you want to map the Role. For more information on Adding Notification, refer to Adding Notification section. For more information on Adding Task, refer to *Adding Tasks* section.

| | me ? Operational Risk me ? New | | Workflow Function | n Name ? Obligation Assessment | |
|---|-------------------------------------|------------------------------|---|--------------------------------|---|
| Notification ID ? Name* ? Generate* ? Description* ? | 81659114 New On Entry Test | ~ | | |] |
| Access Rights* ? Created By ? Last Modified By ? □ User Roles (1) 龄 Map Role | | • | Status* ? Created Date ? Last Modified Date ? | | • |
| Role Name | | тар | | Status | |
| Action Assessor | | | | Disable | |
| 🕀 Role Allocation Rules (0) 💯 | Map Role Rule Enable Role Rule | Disbale Role Rule 🕅 Unwrap | | | |
| 표 Users (0) 🧟 Map User Enabl | e User Disable User 💹 Unwrap | | | | |
| 표 User Allocation Rule (0) <u> </u> | lap User Rule Enable Rule Disab | le Rule 🔀 Unwrap | | | |
| | | Save | Back | | |

Figure 24. Create Notification Page

- 2. Select a **User Role**. If a User Role is not selected, then following message is displayed: *Please select a Role to Map Rule*.
- 3. Click **Map Role Rule**. The list of Role Allocation Rules is displayed. This list shows all the rules which are role allocation rules

| E Search 📣 Clea | ar∣⊑> Go | | |
|------------------|------------|-------------|------|
| Rule Name | | | |
| ⊞ Role Rules (0) | l 💹 Unwrap | | |
| | | Link Cancel | |

Figure 25. List of Role Rules

4. Select the Role Rule and click Link. A Confirmation message is displayed and you are directed back to Create Notification or Create Task page.

After selecting a User Role and User, the corresponding linked User Rule is displayed in User Allocation Rule grid.

Mapping of Users

This option allows you to map a new user for a Role in a Notification or a Task.

For example,

For Incident module, Incident Approver is a Role and Tom is a User. You can assign the Incident Approver Role to Tom. In this case, Tom receives the Notification for Incident Approval, since Tom is mapped to Incident Approver Role.

This option is available when you select the **Access Right** as Single or Multi on **Create Notification** or **Create Task** page.

To add a user in Notification or a Task, follow these steps:

1. Access the Notification Details page or Task Details page, to which you want to map the Role. For more information on Adding Notification, refer to *Adding Notification* section. For more information on Adding Task.

| | | | | | | 0 |
|----------------------------------|-----------------------------------|-------------------------|----------------------|-----------------------|----------|---|
| | me ? Operational Risk me ? New | | Workflow Function | Name ? Obligation Ass | sessment | |
| Stage Na | me (New | | | | | |
| | | | | | | |
| Notification ID ? | 81659114 | | | | | |
| Name* ? | New | | | | | |
| Generate* ? | On Entry | - | | | | |
| Description* ? | Test | | | | | |
| | | | | | | |
| MILLION CONTRACTOR | | | | | | |
| Access Rights* ? | Single | | Status* ? | Enable | | |
| Created By ? | | | | 20-Dec-2013 11:14:51 | | |
| Last Modified By ? | Tom Harley | | Last Modified Date ? | 20-Dec-2013 11:14:51 | | |
| 🗏 User Roles (1) 🖗 Map Role | Enable Role Disable Role 🕅 | Unwrap | | | | |
| Role Name | | | | Stat | us | |
| Action Assessor | | | | Ena | ble | |
| 표 Users (0) 🧟 Map User Enabl | le User Disable User 💹 Unv | vrap | | | | |
| 🗄 User Allocation Rule (0) 💯 N | Map User Rule Enable Rule | Disable Rule 💹 Unwrap | | | | |
| | | | | | | |
| | | Save | Back | | | |
| | | | | | | |

Figure 26. Create Notification Page

- 2. Select a **User Role** in **User Roles** grid. If a User Role is not selected, then following message is displayed: *Please select a Role to Map Rule.*
- 3. Click **Map User in Users grid**. The list of users are displayed. This list shows all the users which are mapped to the selected Role.

| | User Designation |
|---|------------------------|
| | |
| * | User Designation |
| | Head of IT System |
| | Head of Infrastructure |
| | Link Back |
| | |

Figure 27. List of Users

4. Select a User and click Link. A Confirmation message is displayed and you are directed back to previous window.

After selecting a Role, the corresponding linked User name is displayed in Users grid.

Mapping of User Allocation Rule

This option allows you to add a new rule to the user. That is, the user receive the Notification or Task only when the condition defined in the Rule is satisfied.

For example:

For Incident module, the Incident Owner receives the notification after approval of Incident by Incident Owner. In this case, you can create a rule where it picks up the user who satisfies the Approval condition.

This option is available when you select the **Access Right** as Single, or Multi on **Create Notification** or **Create Task** page.

Note: Only one active user allocation rule can be mapped to a user.

To add a User Allocation Rule, follow the steps given below:

1. Access the Notification Details page or Task Details page, to which you want to map the Role. For more information on Adding Notification, refer to *Adding Notification* section.

| | me ? Operational Risk me ? New | | Workflow Function | n Name ? Obligation Assessment | |
|---|-------------------------------------|-------------------------|-------------------|--|---|
| Notification ID ? Name* ? Generate* ? Description* ? | 81659114 New On Entry Test | | | | |
| Access Rights* ? Created By ? Last Modified By ? ⊟ User Roles (1) ∰ Map Role | Tom Harley Tom Harley | • | | Enable 20-Dec-2013 11:14:51 20-Dec-2013 11:14:51 | • |
| Role Name | | | | Status | |
| Action Assessor | | | | Enable | |
| 🖃 Users (1) 🧟 Map User Enable | e User Disable User 💹 U | nwrap | | | |
| 🔹 User Name 🔓 | | | | Status | |
| Glen Matthews | | | | Enable | |
| 🖽 User Allocation Rule (0) 📴 M | lap User Rule Enable Rule | Disable Rule 💹 Unwrap | | | |
| | | Save | Back | | |

Figure 28. Create Notification Page

- 2. Select a **User Role**. If a User Role is not selected, then following message is displayed: *Please select a Role to Map Rule*.
- 3. Select the corresponding User. If a User is not selected, then following message is displayed: Please select a User.
- 4. Click Map User Rule.

| 🖃 Search 💊 Clear 🖙 Go | |
|-----------------------------|--|
| Rule Name | |
| 🗄 User Rules (0) 💹 Unwrap | |
| Link Cancel | |

Figure 29. List of User Rules

5. Select the User Rule and click **Link**. A Confirmation message is displayed and you are directed back to **previous window**.

After selecting a User Role and User, the corresponding linked User Rule is displayed in User Allocation Rule grid.

Mapping of User Decision Rule

This option allows you to add a new User Decision Rule. You can map a User with a decision Rule.

For example:

For incident, if you want to send the incident to a particular Incident Owner who has created that Incident. In this case, you can create a Rule where it picks up that particular Incident Owner and mapped it to notification or task. This option is available only if you have selected **Default User** option from **Access Rights** drop-down list in **Create Notification** or **Create Task** window.

To add a User Decision Rule, follow the steps given below:

1. Access the Notification Details page or Task Details page, to which you want to map the Role. For more information on Adding Notification, refer to *Adding Notification* section.

| | me ? Operational Risk me ? New | | Workflow Function | n Name ? Obligatio | n Assessment | |
|---|-------------------------------------|------------------------|----------------------|--------------------|--------------|---|
| Notification ID ? Name* ? Generate* ? | 81659114 New On Entry | • | | | | |
| Description* ? | Test | | | | | |
| Access Rights* ? | Default Access | ÷. | Status* ? | Enable | | ÷ |
| Created By ? | Tom Harley | | Created Date ? | 20-Dec-2013 17:54: | 08 | |
| Last Modified By ? | Tom Harley | | Last Modified Date ? | 20-Dec-2013 17:54: | 08 | |
| 🖃 User Roles (1) 🖗 Map Role | Enable Role Disable Role 💹 Unv | vrap | | | | |
| Role Name | | | | | Status | |
| Action Assessor | | | | | Disable | |
| 🎛 User Decision Rules (0) 🎬 M | ap Decision Rule Enable Rule Di | isable Rule 🔀 Unwrap | | | | |
| | | Save | ack | | | |

Figure 30. Create Notification Page

2. Click **Map Decision Rule**. The list of user decision rules is displayed.

| 🖃 Search 🌛 Clear 🖙 Go | | | | | | | |
|--|--------------------|--|--|--|--|--|--|
| Rule Name | | | | | | | |
| User Allocation Rules (6) 🔄 Unwrap | | | | | | | |
| Rule Name 🔺 | Туре | | | | | | |
| Assessor for Questionnaire based Obligation Assessment | User Decision Rule | | | | | | |
| On Creating a draft Questionnaire based Obligation Assessment from Planning and Scoping | User Decision Rule | | | | | | |
| On Creating a draft Questionnaire based Obligation Assessment from the Obligation | User Decision Rule | | | | | | |
| 📄 On Creating a draft Questionnaire based Obligation Assessment with no Respondents from from Plan 🕨 | User Decision Rule | | | | | | |
| 🔲 On Creating a draft Questionnaire based Obligation Assessment with no Respondents from the Oblig 🕨 | User Decision Rule | | | | | | |
| Respondents for Questionnaire based Obligation Assessment | User Decision Rule | | | | | | |
| Link Cancel | | | | | | | |

Figure 31. List of User Allocation Rules

3. Select the User Allocation Rule and click **Link**. A Confirmation message is displayed and you are directed back to **Create Notification** or **Create Task** page.

Viewing Workflow Process

The View Workflow option allows you to view the process flow of Workflow in graphical format.

To view the Workflow, follow the steps given below:

- 1. Navigate to Workflow Search and List page.
- 2. Select a Workflow ID in Draft, Active, Inactive, or Deactive status.
- 3. Click View Workflow.

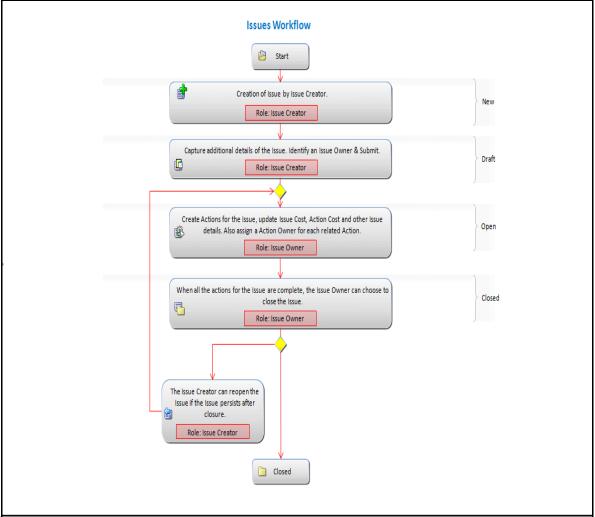


Figure 32. Viewing Workflow

Activating a Workflow

The Workflow is automatically active from Inactive status to Active through a batch run. It will be active from the date that is defined in **Effective Date** field during the Workflow Creation. While activating a draft status workflow, if the effective date matches to current date, the workflow directly moves into Active status.

Note: On a particular workflow being activated all other workflows existing for the same business line and location moves into *Deactive* status.

Deactivating a Workflow

This option allows you to deactive the Workflow. Before Deactivating a workflow, make sure that at least one active workflow should be there for Application.

To deactivate a Workflow, follow the steps given below:

- 1. Navigate to Workflow Search and List page.
- 2. Select a Workflow ID, which you want to deactive.

| orktiow | Manager | | | | | | | | 7 H |
|---------|------------|-----------------------------------|-------------------------|----------|--------------------------------|------------------------|---------------|-------------|-----|
| E Worl | kflow 🌙 | Clear | | | | | | | |
| | | Application* 7 | Operational Risk | | Workflow Fe | unctions* 7 Obligation | Assessment | | |
| Norkflo | ws (6) | | | | | | | | |
| 3 📩 c | reate Work | ktiow 🛙 🏦 Copy Workflow 🛛 🏀 Deact | wate Workflow 🔯 Unwra | p. | | | | | |
| å. | ID | Name | Business Line | Location | Description | Effective From | Last Modified | Status | |
| 13 | 81658188 | New Obligation Assessment | | | New Obligation Assessment | 18-Dec-2013 | 17-Dec-2013 | Draft | |
| 13 | 81658165 | New12 | Default | Default | idjikdjikd | 18-Dec-2013 | 17-Dec-2013 | Draft | |
| 2 | 81939913 | Obligation Assessment Workflow | All | All | Obligation Assessment Workflow | 20-Nov-2013 | 20-Nov-2013 | Active | |
| 13 | 81939784 | Obligation Assessment Workflow | All | All | Obligation Assessment Workflow | 20-Nov-2013 | 20-Nov-2013 | Deactivated | |
| 10 | 81637463 | Obligation Assessment Workflow | All | All | Obligation Assessment Workflow | 19-Nov-2013 | 19-Nov-2013 | Deactivated | |
| 111 | 41 | Obligation Assessment Workflow | All | All | Obligation Assessment Workflow | 12-Jul-2013 | 27-Mar-2013 | Deactivated | |

Figure 33. Deactivating Workflow

3. Click Deactivate Workflow.

Note: You can deactive the Workflow, which is in active state.

Searching Workflow

This section explains you how to search and filter the existing Workflow. The Search and List page allows you to filter the Workflow that you want to view and analyze.

To search Workflow, follow these steps:

1. Navigate to the Workflow Search and List page.

| | Application* | ? Operational Risk | | - | Workflow Functions* | Regulations | /Policies | | |
|--------------|--------------------------------|------------------------------|----------------|-------------|---------------------|----------------|---------------|--------|--|
| | | | | | | | | | |
| Norkflows (1 | D) | | | | | | | | |
| | 1.78 | | | | | | | | |
| Create | Workflow 🔤 Copy Workflow 🍥 | Deactivate Workflow 💹 Unwr | ap | | | | | | |
| E 🚰 Create | Name | Business Line | ap Location | Description | | Effective From | Last Modified | Status | |

Figure 34. Searching Workflow

2. Enter the following details in the Search fields to filter the Workflow list.

The following table provides a list of the search criteria that display in the Workflow Search section:

Table 11. Search Criteria

| Criteria | Description |
|-----------------------|---|
| Application | Select the application for which Workflow Manager is installed. |
| Workflow Functions | Select the function of an application for which Workflows are to be defined. It is enabled after selecting the Application name in Application field. |
| | If you select Application name as Operational Risk application, then following values are applicable for Workflow Function field: |
| | Change Management |
| | Process |
| | KI Assessment |
| | Key Indicators |
| | ■ KI Library |
| | Planning and Scoping |
| | ■ Issues |
| | ■ Actions |
| | ■ Scenario |
| | Control Assessment |
| | Control Definition |
| | External Incident Management |
| | ■ BU Risk Profile |
| | Information Libraries |
| | Insurance Policies |
| | ■ Challenge |
| | Business Environment |
| | Obligation |
| | Risk Definition |
| | Risk Assessment |
| | ■ KI Aggregation |
| | Obligation Library |
| | Risk Library |
| | ■ Test Plan |
| | Incident Management |
| | Regulation/Polices |
| | Control Library |
| | Obligation Assessment |
| | Regulation Assessment |

Table 12. Search Criteria

| Criteria | Description |
|--------------------|---|
| Workflow Functions | If you select Application name as Governance and Compliance Management application, then following options are also applicable for Workflow Function field: |
| | Audit Assessment |
| | Audit Tasks |
| | Audit Plans |
| | Business Continuity Plan |
| | Compliance Plan |
| | Compliance Plan Attestation |

APPENDIX A Setting up Application and Workflow Function

This Appendix details the steps involved in creating and configuring an Application and/or its corresponding Workflow Functions in the Workflow Manager.

This enables defining the complete workflow for the Application and the Workflow function.

This appendix lists the following sections:

- Configuring a New Application
- Configuring a New Workflow Function
- Mapping Workflow Function to Application
- Mapping Component Status to Workflow function
- Creating Workflow Action
- Associating Workflows to Workflow Functions
- Conclusion

Configuring a New Application

To configure a new application in workflow manager, the following entries should be made in the tables DIM_APP_INFO and DIM_APP_INFO_MLS.

| TABLE NAME | DIM_APP_INFO | DIM_APP_INFO | | | | | | | |
|---------------------|---|--------------|-------------------------|-----|--|--|--|--|--|
| SCHEMA NAME | Atomic | Atomic | | | | | | | |
| DESCRIPTION | This table stores basic information regarding the application(s). Like Application Name, Application Code, and so on. | | | | | | | | |
| FIELD NAME | DESCRIPTION DATA TYPE SAMPLE VALUE MANDATORY | | | | | | | | |
| N_APP_KEY | A unique number to identify the Application. | NUMBER | 5 | Yes | | | | | |
| V_APP_CODE | A unique code to identify the Application. | VARCHAR | OFS_BANK | Yes | | | | | |
| V_APP_NAME | Name of the Application. | VARCHAR | Banking Management | Yes | | | | | |
| V_APP_DESC | Brief description about the Application. | VARCHAR | Banking Management | No | | | | | |
| D_RECORD_START_DATE | Application is valid from the start date. | DATE | 4/1/2015 11:00:00 AM | Yes | | | | | |
| D_RECORD_END_DATE | Application is valid to the end date. | DATE | 4/1/9999 11:00:00 AM | Yes | | | | | |

| TABLE NAME | DIM_APP_INFO_MLS | | | | | | |
|-------------|--|-----------|-----------------------|-----------|--|--|--|
| SCHEMA NAME | Atomic | | | | | | |
| DESCRIPTION | This table stores the locale specific entries for the application(s) name. | | | | | | |
| FIELD NAME | DESCRIPTION | DATA TYPE | SAMPLE VALUE | MANDATORY | | | |
| N_APP_KEY | A unique number to identify the Application. This key is as specified in the DIM_APP_INFO table. | NUMBER | 5 | Yes | | | |
| V_APP_NAME | Name of the Application. | VARCHAR | Banking Management | Yes | | | |
| DESCLOCALE | Locale (en_US, es_ES, and so on.) | VARCHAR | en_US | Yes | | | |

Configuring a New Workflow Function

To configure a new workflow function in workflow manager, the following entries should be made in the tables SETUP_COMPONENTS and SETUP_COMPONENTS_MLS.

| TABLE NAME | SETUP_COMPONENT | 'S | | | | | | |
|---------------------|---|---|---------------------------------------|-----|--|--|--|--|
| SCHEMA NAME | Atomic | | | | | | | |
| DESCRIPTION | | This table stores basic information regarding the workflow function(s). Like Function Name, Function Key, Physical Fact table name and so on. | | | | | | |
| FIELD NAME | DESCRIPTION | DESCRIPTION DATA TYPE SAMPLE VALUE MANDATORY | | | | | | |
| N_ENTITY_KEY | A unique number to identify the Workflow Function. | NUMBER | 200 | Yes | | | | |
| V_ENTITY_NAME | Name of the Workflow Function. | VARCHAR | Credit Banking | Yes | | | | |
| V_ENTITY_DESC | Brief description about the Workflow Function. | VARCHAR | Manage the Credit Banking facility | No | | | | |
| V_FCT_TABLENAME | The primary FACT table of the Workflow Function | VARCHAR | FCT_CREDIT_BANK | Yes | | | | |
| D_RECORD_START_DATE | Workflow Function is valid from the start date. | DATE | 4/1/2015 11:00:00 AM | Yes | | | | |
| D_RECORD_END_DATE | Workflow Function is valid to the end date. | DATE | 4/1/9999 11:00:00 AM | Yes | | | | |

| TABLE NAME | SETUP_COMPONENTS_MLS | | | | |
|--------------|--|--|--|--|--|
| SCHEMA NAME | Atomic | | | | |
| DESCRIPTION | This table stores the locale | This table stores the locale specific entries for the workflow function(s) name. | | | |
| FIELD NAME | DESCRIPTION DATA TYPE SAMPLE VALUE MANDATORY | | | | |
| N_ENTITY_KEY | A unique number to identify the Workflow Function. This key is as specified in the SETUP_COMPONENTS table. NUMBER 200 Yes | | | | |

| V_ENTITY_NAME | Name of the Workflow Function. | VARCHAR | Credit Banking | Yes |
|---------------|-----------------------------------|---------|----------------|-----|
| DESCLOCALE | Locale (en_US, es_ES, and so on.) | VARCHAR | en_US | Yes |

Once the workflow configuration is completed using Workflow Manager, the UI action buttons need to be config-

ured to invoke the configured workflow.

Mapping Workflow Function to Application

To map the new or existing Workflow Function(s) to the new or existing Application, an entry should be made in the FCT_APP_COMPONENT_MAP table.

| TABLE NAME | FCT_APP_COMPONENT_MAP | | | | |
|----------------|--|------------------|-----------------------|------------|--|
| SCHEMA NAME | Atomic | | | | |
| DESCRIPTION | This table stores the mapping | ng between appli | cation & workflow fur | nction(s). | |
| FIELD NAME | DESCRIPTION | DATA TYPE | SAMPLE VALUE | MANDATORY | |
| N_APP_COMP_KEY | A unique number to identify the mapping between Workflow Function and Application | NUMBER | 1000 | Yes | |
| N_APP_KEY | Unique key that identifies the Application. This key is as specified in the DIM_APP_INFO table | NUMBER | 5 | Yes | |
| N_ENTITY_KEY | Unique key that identifies the Workflow Function. This key is a specified in the SETUP_COMPONENTS table | NUMBER | 200 | Yes | |

Mapping Component Status to Workflow function

To map the component status to the respective workflow function, the following entries should be made in the table SETUP_COMPONENT_STATUS_MAP.

| TABLE NAME | SETUP_COMPONENT_STATUS_MAP | | | |
|----------------|--|-----------------|-----------------------|--------------------------|
| SCHEMA NAME | Atomic | | | |
| DESCRIPTION | This table stores the mappi | ng between work | flow functions and th | eir respective statuses. |
| FIELD NAME | DESCRIPTION DATA TYPE VALUE MANDATORY | | | |
| N_OR_STATUS_CD | The status of the component. This key is as defined in DIM_OR_STATUS table | NUMBER | 13 | Yes |
| N_ENTITY_KEY | Unique key that identifies the Workflow Function. This key is a specified in the SETUP_COMPONENTS table | NUMBER | 200 | Yes |
| N_SORT_ORDER | The sequence in which the status needs to be displayed | NUMBER | 1 | Yes |

Table 14. Mapping component status to workflow function

Creating Workflow Action

To enable create workflow functionality (Create Workflow) for the new Application and workflow function, following entries should be made to the table.

Note: This step is required only when a new application is being included in the workflow manager. It is not necessary to follow this step if a new workflow function is being added to an existing application.

Table 15. Create workflow action

| TABLE NAME | FORMS_VIEW_MAPPING | | | |
|----------------|--|-----------|-----------|--|
| SCHEMA NAME | Configuration | | | |
| DESCRIPTION | This table contains the masking definition for the form control Create Workflow. | | | |
| FIELD NAME | DESCRIPTION | DATA TYPE | MANDATORY | |
| FORM_CODE | Name of the Physical File that displays the list of Work flows configured for a Workflow Function. The form code is as specified in the FORMS_MASTER table in the configuration schema. | VARCHAR | Yes | |
| FORM_VERSION | Identifies if the configuration is enabled or disabled. (0 – Enable, 1 - Disable) | NUMBER | Yes | |
| DSN_ID | The Information Domain name. | VARCHAR | Yes | |
| CONTROL_ID | The identification number provided to identify a field in the UI. This information is available in the FORMS_MAP_ITEMS table in the configuration schema. | NUMBER | Yes | |
| VIEW_ID | A unique identifier provided for a specific ROLE against a specific Workflow Function status. | NUMBER | Yes | |
| PARENT_VALUE | A computed value which is a product of Workflow Function Status and render mode. | NUMBER | Yes | |
| CONTAINER | This flag identifies if the above mentioned CONTROL_ID, identifies a specific control or a specific container (0 – control, 1- container) | NUMBER | Yes | |
| CONTROL_STATUS | The visibility mode that needs to be applied to the control/container. (1 – Enabled, 2 – Disabled, 3 - Hidden) | NUMBER | Yes | |

The below values are to be seeded mandatorily.

| FIELD NAME | ROW 1 | ROW 2 | ROW 3 | ROW 4 |
|----------------|-------------|-------------|-------------|-------------|
| FORM_CODE | FrmWFMaster | FrmWFMaster | FrmWFMaster | FrmWFMaster |
| FORM_VERSION | 0 | 0 | 0 | 0 |
| DSN_ID | OFSINFODOM | OFSINFODOM | OFSINFODOM | OFSINFODOM |
| CONTROL_ID | 2 | 233 | 231 | 3 |
| VIEW_ID | 29007 | 29007 | 29007 | 29007 |
| PARENT_VALUE | 2005* | 2005* | 2005* | 2005* |
| CONTAINER | 0 | 0 | 0 | 0 |
| CONTROL_STATUS | 1 | 1 | 1 | 1 |

* 2005 is a computed value = (2000 + Application Key)

Associating Workflows to Workflow Functions

To associate the workflows created through Workflow Manager to its appropriate Workflow Function, the following entires should be made in the WFM_LIST table.

| TABLE NAME | WFM_LIST | | | | | |
|---------------|---|---------|----------------|-----|--|--|
| SCHEMA NAME | Atomic | | | | | |
| DESCRIPTION | This table associates the workflows created through workflow manager to its respective workflow function. | | | | | |
| FIELD NAME | DESCRIPTION DATA TYPE SAMPLE VALUE MANDATORY | | | | | |
| N_WFM_LIST_ID | Unique Identification number to identify the workflow function within the Workflow Manager | NUMBER | 2000 | Yes | | |
| V_DSN_ID | The Information Domain name. | VARCHAR | OFSINFODOM | Yes | | |
| V_SEGMENT_ID | Segment in which the solution is installed. | VARCHAR | OFSSEGMENT | Yes | | |
| N_WFM_FN_ID | Workflow Function ID as specified in SETUP_COMPONENTS table. | NUMBER | 200 | Yes | | |
| V_WFM_FN_NAME | Name of the Workflow Function. | VARCHAR | Credit banking | No | | |
| N_KBD_1_REQD | Is Key Business Dimension 1 required? 1 - Yes/ 0 – No | NUMBER | 1 | Yes | | |
| N_KBD_2_REQD | Is Key Business Dimension 2 required? 1 - Yes/ 0 – No | NUMBER | 1 | Yes | | |
| N_KBD_3_REQD | Is Key Business Dimension 3 required? 1 - Yes/ 0 – No | NUMBER | 0 | Yes | | |
| N_KBD_4_REQD | Is Key Business Dimension 4 required? 1 - Yes/ 0 – No | NUMBER | 0 | Yes | | |
| V_KBD_1_LABEL | If KBD 1 required, then give the KBD label name. (Business Line, Location, others) | VARCHAR | Business Line | No | | |

Table 16. Associating workflows to workflow functions

| Table 16. | Associating | workflows | to workflow | functions |
|-----------|-------------|-----------|-------------|-----------|
|-----------|-------------|-----------|-------------|-----------|

| V_KBD_2_LABEL | If KBD 2 required, then give the KBD label name. (Business Line, Location, others) | VARCHAR | Location | No |
|---------------|---|---------|----------|----|
| V_KBD_3_LABEL | If KBD 3 required, then give the KBD label name. (Business Line, Location, others) | VARCHAR | | No |
| V_KBD_4_LABEL | If KBD 4 required, then give the KBD label name. (Business Line, Location, others) | VARCHAR | | No |

Conclusion

You have successfully completed the setup process to define a workflow for a new application or workflow function using workflow manager.

Log into the application and started defining the workflow for the new application or workflow function.

арренdix в Invoking Configured Workflow from Forms XML

This Appendix details the steps involved in configuring an UI button in the Forms XML, which invokes the configured workflow.

This Appendix covers the following topics:

- Server Side Rule
- User Interface Button

Server Side Rule

The server side rule points to the corresponding database object in the atomic schema, which is responsible for rendering the configured workflow.

Initiate Workflow

To initiate a workflow, enter the server-side rule tag within the forms XML as shown below.

| <pre><ruleset id="100" type="stored_procedure"></ruleset></pre> |
|--|
| <identifier>PKG_WORKFLOW_ENGINE.SP_INITIATE_WORKFLOW_WFM</identifier> |
| <input_param></input_param> |
| P_LOG_USER_ID,P_LOCALE,P_ENTITY_TYPE,P_STAGE_SEQ_ID,P_ENTITY_ID,P_ENTITY_STATUS_KEY, |
| P ROLE CODE, P USER ID, P CHANGE DT, P APPR REJ, P DSN ID, P SEGMENT ID, P SEQUENCE, P KBD1 KEY, P KBD2 KEY, |
| P KBD3 KEY,P KBD4 KEY,P PARENT ID,P PARENT TYPE,P PARENT STATUS,P DUE DATE,P DUE DAYS,P BUS CAL FLAG, |
| P_TASK_STATUS, P_SCHEDULE_ID |
| |
| <output_param>p out_mesg</output_param> |
| <pre><event_type>after</event_type></pre> |
| <stop_on_error>¥</stop_on_error> |
| <issynchronous>¥</issynchronous> |
| |
| |
| |

Continue Workflow

To continue on an initiated workflow, enter the server-side rule tag within the forms XML as shown below.

```
<RULESET ID="200" TYPE="STORED_PROCEDURE">
```

To continue the workflow the following entries should be made in the server-side rule tag.

Table 17. Entry in the server-side rule tag

| XML Tag | Description |
|--------------|---|
| RULESET | A unique ID must be given to the Server-Side Rule |
| IDENTIFIER | The tag specifies the database object that needs to be triggered on performing and UI action. |
| INPUT_PARAM | The tag specifies the list of input parameters that needs to be passed to the database object. The order must be same as defined in the database. |
| OUTPUT_PARAM | The tag specifies the output parameter that needs to be passed to the data base object. |

Table 17. Entry in the server-side rule tag

| XML Tag | Description |
|---------------|---|
| STOP_ON_ERROR | The tag specifies if the execution must be stopped in case there is an error. |
| ISSYNCHRONOUS | The tag specifies if the named database object be executed in a synchronous manner. |

User Interface Button

Click the UI Button to trigger the execution of the server-side rule and pass the required parameters.

Initiate Workflow

To initiate a workflow, make entry in the parameters list of the button control within the forms XML as shown below.

| <parameters></parameters> |
|---|
| Server-Side Rule |
| <parameter id="1" name="executeServerSideRule" scope="" value="100"></parameter> |
| Parameters for WF |
| <parameter id="1" name="P LOG USER ID" scope="session" value="gsUsrID"></parameter> |
| <parameter id="1" name="P LOCALE" scope="session" value="lclPostFix"></parameter> |
| <parameter id="1" name="P ENTITY TYPE" scope="" value="108"></parameter> |
| <parameter id="1" name="P_STAGE_SEQ_ID" scope="" value="1"></parameter> |
| <parameter id="1" name="P_ENTITY_ID" scope="form" value="[FrmERA_OPR_1_1]"></parameter> |
| <parameter id="1" name="P_ENTITY_STATUS_KEY" scope="" value="4"></parameter> |
| <parameter id="1" name="P_ROLE_CODE" scope="request" value="roleCode"></parameter> |
| <parameter id="1" name="P_USER_ID" scope="session" value="gsUsrID"></parameter> |
| <parameter id="1" name="P_CHANGE_DT" scope="form" value="[FrmERA_OPR_999_1]"></parameter> |
| <parameter id="1" name="P_APPR_REJ" scope="" value=""></parameter> |
| <parameter id="1" name="P_DSN_ID" scope="request" value="infodom"></parameter> |
| <parameter id="1" name="P_SEGMENT_ID" scope="request" value="segment"></parameter> |
| <parameter id="1" name="P_SEQUENCE" scope="form" value="[FrmERA_OPR_888_1]"></parameter> |
| <parameter id="1" name="P_KBD1_KEY" scope="" value="1"></parameter> |
| <parameter id="1" name="P_KBD2_KEY" scope="" value="1000"></parameter> |
| <parameter id="1" name="P_KBD3_KEY" scope="" value=""></parameter> |
| <parameter id="1" name="P_KBD4_KEY" scope="" value=""></parameter> |
| <parameter id="1" name="P_PARENT_ID" scope="" value=""></parameter> |
| <parameter id="1" name="P_PARENT_TYPE" scope="" value=""></parameter> |
| <parameter id="1" name="P_PARENT_STATUS" scope="" value=""></parameter> |
| <parameter id="1" name="P_DUE_DATE" scope="" value=""></parameter> |
| <parameter id="1" name="P_DUE_DAYS" scope="" value=""></parameter> |
| <parameter id="1" name="P_BUS_CAL_FLAG" scope="" value=""></parameter> |
| <parameter id="1" name="P_TASK_STATUS" scope="" value=""></parameter> |
| <parameter id="1" name="P_SCHEDULE_ID" scope="" value=""></parameter> |
| <parameter id="1" name="P_OUT_MESG" scope="" value="OUT"></parameter> |
| |

The following entires should be made to initiate the Workflow.

| Table 18. | Entries in the | Parameter List to | Initiate the work flow |
|-----------|----------------|-------------------|------------------------|
|-----------|----------------|-------------------|------------------------|

| Parameter Name | Description | Sample Data | Mandatory |
|-----------------------|---|-------------|-----------|
| executeServerSideRule | The value for this parameter should match with the ID provided for the Server-Side rule identifying the database object. | 100 | Yes |
| P_LOG_USER_ID | The user ID of the user who has logged into the application. | ORMUSER | Yes |
| P_LOCALE | The locale ID which was selected while logging into the application. | en_US | Yes |

| Parameter Name | Description | Sample Data | Mandatory |
|---------------------|---|-----------------------------------|--|
| P_ENTITY_TYPE | The ID of the entity for which the workflow is being initiated. This value corresponds to the entry made in SETUP_COMPONENTS table for the entity | 200 (Credit Banking) | Yes |
| P_STAGE_SEQ_ID | The entry point ID which identifies the initial workflow stage for initiation. | 1 | Yes |
| P_ENTITY_ID | The instance ID of the entity for which the workflow is being initiated. A system generated value | 123321 | Yes |
| P_ENTITY_STATUS_KEY | The status of the entity instance at the time of workflow initiation. | 4 (New) | No |
| P_ROLE_CODE | The role code for which Task/Notification is to be processed during initiation of workflow. This parameter is required only if there are Tasks/Notifications of the type 'User Defined'. | CCO (Chief Compliance Officer) | No (Yes if there are Tasks/Notifications of the type 'User Defined') |
| P_USER_ID | The user for whom Task/Notification is to be processed during initiation of workflow. This parameter is required only if there are Tasks/Notifications of the type 'User Defined'. | LH (Legal Head) | No (Yes if there are Tasks/Notifications of the type 'User Defined') |
| P_CHANGE_DT | Current System Date in the date format (dd/mm/yyyy) | 25/06/2015 | Yes |
| P_APPR_REJ | The flag which is used in defining business rules | A | No |
| P_DSN_ID | The Information Domain Name | OFSINFODOM | Yes |
| P_SEGMENT_ID | The Segment in which the solution is installed. | OFSSEGMENT | Yes |
| P_SEQUENCE | A unique error ID generated with the sequence seq_error_log. | 1001 | Yes |
| P_KBD1_KEY | Key Business Dimension 1 | 1 | Yes (If Application is using Key Business Dimension 1) |
| P_KBD2_KEY | Key Business Dimension 2 | 1000 | Yes (If Application is using Key Business Dimension 2) |
| P_KBD3_KEY | Key Business Dimension 3 | | Yes (If Application is using Key Business Dimension 3) |
| P_KBD4_KEY | Key Business Dimension 4 | | Yes (If Application is using Key Business Dimension 4) |

Table 18. Entries in the Parameter List to Initiate the work flow

| Parameter Name | Description | Sample Data | Mandatory |
|-----------------|---|-------------|---|
| P_PARENT_ID | The entity instance of the parent entity in case where Workflow is initiated for a child entity. | | Yes (If workflow is initiated for a Child entity) |
| P_PARENT_TYPE | The entity type of the parent entity in case where Workflow is initiated for a child entity. | | Yes (If workflow is initiated for a Child entity) |
| P_PARENT_STATUS | The status of the parent entity instance at the time of workflow initiation for a child entity. | | Yes (If workflow is initiated for a Child entity) |
| P_DUE_DATE | The due date for the Tasks being processed during workflow initiation. | 30/06/2015 | No |
| P_DUE_DAYS | The due days for the Tasks being processed during workflow initiation. | 5 | No |
| P_BUS_CAL_FLAG | Business Days 'B'/Calendar Days 'C'. The due days passed is considered as Calendar days by default. If workflow needs to consider it as Business Days, then flag 'B' should be passed. | В | No |
| P_TASK_STATUS | The status of the task being processed. | | No |
| P_SCHEDULE_ID | The schedule ID, if workflow is being initiated through Planning and Scoping | | Yes (If workflow is initiated through Planning and Scoping) |
| P_OUT_MESG | The output value that is returned post execution of the workflow. | | No |

Table 18. Entries in the Parameter List to Initiate the work flow

Continue Workflow

To continue on an initiated workflow, enter the parameters list of the button control within the forms XML as shown below.

```
<PARAMETERS>
   <!-- Server-Side Rule -->
   <PARAMETER ID="1" NAME="executeServerSideRule" SCOPE="" VALUE="200"/>
   <!-- Parameters for WF -->
   <PARAMETER ID="1" NAME="P LOG USER ID" SCOPE="session" VALUE="gsUsrID"/>
   <PARAMETER ID="1" NAME="P LOCALE" SCOPE="session" VALUE="lclPostFix"/>
   <PARAMETER ID="1" NAME="P ENTITY TYPE" SCOPE="" VALUE="108"/>
   <PARAMETER ID="1" NAME="P_ENTITY_ID" SCOPE="form" VALUE="[FrmERA_OPR_1_1]"/>
   <PARAMETER ID="1" NAME="P_ENTITY_STATUS_KEY" SCOPE="" VALUE="4"/>
   <PARAMETER ID="1" NAME="P ROLE CODE" SCOPE="request" VALUE="roleCode"/>
   <PARAMETER ID="1" NAME="P USER ID" SCOPE="session" VALUE="gsUsrID"/>
   <PARAMETER ID="1" NAME="P CHANGE DT" SCOPE="form" VALUE="[FrmERA OPR 999 1]"/>
   <PARAMETER ID="1" NAME="P APPR REJ" SCOPE="" VALUE=""/>
   <PARAMETER ID="1" NAME="P DSN ID" SCOPE="request" VALUE="infodom"/>
   <PARAMETER ID="1" NAME="P SEGMENT ID" SCOPE="request" VALUE="segment"/>
   <PARAMETER ID="1" NAME="P SEQUENCE" SCOPE="form" VALUE="[FrmERA OPR 888 1]"/>
   <PARAMETER ID="1" NAME="P KBD1 KEY" SCOPE="" VALUE="1"/>
   <PARAMETER ID="1" NAME="P KBD2 KEY" SCOPE="" VALUE="1000"/>
   <PARAMETER ID="1" NAME="P KBD3 KEY" SCOPE="" VALUE=""/>
   <PARAMETER ID="1" NAME="P KBD4 KEY" SCOPE="" VALUE=""/>
   <PARAMETER ID="1" NAME="P_PARENT_ID" SCOPE="" VALUE=""/>
   <PARAMETER ID="1" NAME="P_PARENT_TYPE" SCOPE="" VALUE=""/>
   <PARAMETER ID="1" NAME="P PARENT STATUS" SCOPE="" VALUE=""/>
   <PARAMETER ID="1" NAME="P DUE DATE" SCOPE="" VALUE=""/>
   <PARAMETER ID="1" NAME="P_DUE_DAYS" SCOPE="" VALUE=""/>
   <PARAMETER ID="1" NAME="P BUS CAL FLAG" SCOPE="" VALUE=""/>
   <PARAMETER ID="1" NAME="P_TASK_STATUS" SCOPE="" VALUE=""/>
   <PARAMETER ID="1" NAME="P_SCHEDULE ID" SCOPE="" VALUE=""/>
   <PARAMETER ID="1" NAME="P OUT MESG" SCOPE="" VALUE="OUT"/>
</PARAMETERS>
```

The following entires should be made in the Parameter List to continue the Workflow.

Table 19. Entry in the Parameter List to Continue the Workflow

| Parameter Name | Description | Sample Data | Mandatory |
|-----------------------|---|-------------------------|-----------|
| executeServerSideRule | The value for this parameter should match with the ID provided for the Server-Side rule identifying the database object. | 200 | Yes |
| P_LOG_USER_ID | The user ID of the user who has logged into the application. | ORMUSER | Yes |
| P_LOCALE | The locale ID which was selected while logging into the application. | en_US | Yes |
| P_ENTITY_TYPE | The ID of the entity for which the workflow is being invoked. This value corresponds to the entry made in SETUP_COMPONENTS table for the entity | 200 (Credit Banking) | Yes |
| P_ENTITY_ID | The instance ID of the entity for which the workflow is being invoked. A system generated value | 123321 | Yes |

| Parameter Name | Description | Sample Data | Mandatory |
|---------------------|---|-----------------------------------|--|
| P_ENTITY_STATUS_KEY | The status of the entity instance at the time of workflow invocation. | 3 (Draft) | No |
| P_ROLE_CODE | The role code for which Task/Notification is to be processed during invocation of workflow. This parameter is required only if there are Tasks/Notifications of the type 'User Defined'. | CCO (Chief Compliance Officer) | No (Yes if there are Tasks/Notifications of the type 'User Defined') |
| P_USER_ID | The user for whom Task/Notification is to be processed during invocation of workflow. This parameter is required only if there are Tasks/Notifications of the type 'User Defined'. | LH (Legal Head) | No (Yes if there are Tasks/Notifications of the type 'User Defined') |
| P_CHANGE_DT | Current System Date in the date format (dd/mm/yyyy) | 25/06/2015 | Yes |
| P_APPR_REJ | The flag which is used in defining business rules | A | No |
| P_DSN_ID | The Information Domain Name | OFSINFODOM | Yes |
| P_SEGMENT_ID | The Segment in which the solution is installed. | OFSSEGMENT | Yes |
| P_SEQUENCE | A unique error ID generated with the sequence seq_error_log. | 1001 | Yes |
| P_KBD1_KEY | Key Business Dimension 1 | 1 | Yes (If Application is using Key Business Dimension 1) |
| P_KBD2_KEY | Key Business Dimension 2 | 1000 | Yes (If Application is using Key Business Dimension 2) |
| P_KBD3_KEY | Key Business Dimension 3 | | Yes (If Application is using Key Business Dimension 3) |
| P_KBD4_KEY | Key Business Dimension 4 | | Yes (If Application is using Key Business Dimension 4) |
| P_PARENT_ID | The entity instance of the parent entity in case where Workflow is invoked for a child entity. | | Yes (If workflow is invoked for a Child entity) |
| P_PARENT_TYPE | The entity type of the parent entity in case where Workflow is invoked for a child entity. | | Yes (If workflow is invoked for a Child entity) |
| P_PARENT_STATUS | The status of the parent entity instance at the time of workflow invocation for a child entity. | | Yes (If workflow is invoked for a Child entity) |
| P_DUE_DATE | The due date for the Tasks being processed during workflow invocation. | 30/06/2015 | No |

| Parameter Name | Description | Sample Data | Mandatory |
|----------------|---|-------------|---|
| P_DUE_DAYS | The due days for the Tasks being processed during workflow invocation. | 5 | No |
| P_BUS_CAL_FLAG | Business Days 'B'/Calendar Days 'C'. The due days passed is considered as Calendar days by default. If workflow needs to consider it as Business Days, then flag 'B' should be passed. | В | No |
| P_TASK_STATUS | The status of the task being processed. | | No |
| P_SCHEDULE_ID | The schedule ID, if workflow is being invoked through Planning and Scoping | | Yes (If workflow is invoked through Planning and Scoping) |
| P_OUT_MESG | The output value that is returned post execution of the workflow. | | No |

Note: An entity instance once initiated should not be initiated again. Post initiation,

'PKG_WORKFLOW_ENGINE.SP_NXT_STG_WORKFLOW' must be invoked from the UI button for that instance of the entity.

