Oracle® Advanced Planning Command Center

User's Guide

Release 12.1

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Oracle Advanced Planning Command Center User's Guide, Release 12.1

Part No. E12277-06

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Oracle Advanced Planning Command Center User's Guide, Release 12.1

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Preface

Intended Audience

Welcome to Release 12.1 of the *Oracle Advanced Planning Command Center User's Guide.*

Casual User and Implementer

See Related Information Sources on page xii for more Oracle Applications product information.

TTY Relay Access to Oracle Support Services

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Accessibility of Links to External Web Sites in Documentation

This documentation may contain links to Web sites of other companies or organizations that Oracle does not own or control. Oracle neither evaluates nor makes any representations regarding the accessibility of these Web sites.

Structure

Related Information Sources

Integration Repository

The Oracle Integration Repository is a compilation of information about the service endpoints exposed by the Oracle E-Business Suite of applications. It provides a complete catalog of Oracle E-Business Suite's business service interfaces. The tool lets users easily discover and deploy the appropriate business service interface for integration with any system, application, or business partner.

The Oracle Integration Repository is shipped as part of the E-Business Suite. As your instance is patched, the repository is automatically updated with content appropriate for the precise revisions of interfaces in your environment.

Oracle Bills of Material User's Guide

This guide describes how to create various bills of materials to maximize efficiency, improve quality, and lower cost for the most sophisticated manufacturing environments. By detailing integrated product structures and processes, flexible product and process definition, and configuration management, this guide enables you to manage product details within and across multiple manufacturing sites.

Oracle Business Intelligence System Implementation Guide

This guide provides information about implementing Oracle Business Intelligence (BIS) in your environment.

Oracle Daily Business Intelligence Online Help

This guide is provided as online help only from the BIS application and includes information about intelligence reports, Discoverer workbooks, and the Performance Management Framework. It describes a reporting framework that senior managers and executives can use to see a daily summary of their businesses. Supply chain professionals use Oracle Supply Chain Intelligence to monitor supply chain performance in the areas of manufacturing and distribution operations (product gross margin, annualized inventory turns, inventory value), fulfillment (lines shipped, lines shipped late, value shipped, book-to-ship days, current past due value), shipping (lines shipped, lines shipped late, value shipped, change in lines shipped, change in lines shipped late, change in value shipped), and order management (product bookings, current backlog, book to fulfill ratio, average line value, average discount, return rate).

Oracle Collaborative Planning Implementation and User's Guide

This guide describes the information that you need to understand and use Oracle Collaborative Planning to communicate, plan, and optimize supply and demand information for trading partners across the supply chain.

Oracle Demand Planning User's Guide

This guide describes how to use Oracle Demand Planning, an Internet-based solution for creating and managing forecasts.

Oracle Demand Signal Repository User's Guide

Oracle Demand Signal Repository is used by manufacturers to collect detailed retailer point-of-sale and other demand data, and to analyze the data to identify issues and opportunities. Typical retail data sources include daily point-of-sale, on-hand inventory, store orders and receipts, distribution center withdrawals, returns, store promotions, and sales forecasts.

Oracle Flow Manufacturing User's Guide

This guide describes how to use Oracle's Flow Manufacturing functionality to support the processes of flow manufacturing. It describes design features of demand management, line design and balancing, and Kanban planning. It also describes production features of line scheduling, production, and running Kanban.

Oracle Global Order Promising Implementation and User's Guide

This guide describes how to use Oracle Global Order Promising for sophisticated, fast, accurate, and flexible order promising.

Oracle Inventory Optimization User's Guide

This guide describes the comprehensive Internet-based inventory planning solution that enables you to determine when and where to hold your inventories across the supply chain to achieve the desired customer service levels.

Oracle Inventory User's Guide

This guide describes how to define items and item information, perform receiving and inventory transactions, maintain cost control, plan items, perform cycle counting and physical inventories, and set up Oracle Inventory.

Oracle Manufacturing APIs and Open Interfaces Manual

This manual contains up-to-date information about integrating with other Oracle Manufacturing applications and with your other systems. This documentation includes APIs and open interfaces found in Oracle Manufacturing.

Oracle Manufacturing Operations Center Implementation Guide

Oracle Manufacturing Operations Center enables planners to monitor and improve plant performance by analyzing plant floor data. It uses manufacturing operations data to generate reports and monitor production performance in real time.

Oracle Order Management Suite APIs and Open Interfaces Manual

This manual contains up-to-date information about integrating with other Oracle Manufacturing applications and with your other systems. This documentation includes Application Programming Interfaces (APIs) and open interfaces found in the Oracle Order Management Suite.

Oracle Order Management User's Guide

This guide describes the necessary information that you need to use and comprehend Oracle Order Management.

Oracle Production Scheduling Implementation Guide

This guide describes how to use Production Scheduling to create detailed finite capacity and materially constrained optimized production schedules to drive shop floor

operations and material planning.

Oracle Project Manufacturing User's Guide

This guide describes the unique set of features that Oracle Project Manufacturing provides for a project-based manufacturing environment. Oracle Project Manufacturing can be tightly integrated with Oracle Projects. However, in addition to Oracle Projects functionality, Oracle Project Manufacturing provides a comprehensive set of new features to support project sales management, project manufacturing costing, project manufacturing planning, project manufacturing performance, and project quality management.

Oracle Project Manufacturing Implementation Manual

This manual describes the setup steps and implementation for Oracle Project Manufacturing.

Oracle Purchasing User's Guide

This guide describes the information that you need to understand and use Oracle Purchasing.

Oracle Service Parts Planning Implementation and User's Guide

Oracle Service Parts Planning is used by repair service operations to ensure that the right parts are available at the right locations and at the right times, in usable condition. It enables planners to forecast and manage the distribution of individual parts in the most efficient manner possible.

Oracle Shopfloor Management User's Guide

This guide describes the information that you need to understand and use Oracle Shopfloor Management to manage complex shop floor information.

Oracle Strategic Network Optimization Implementation Guide

This guide describes how to use Strategic Network Optimization to model and optimize your supply chain network, from obtaining raw materials through delivering end products.

Oracle Work in Process User's Guide

This guide describes how Oracle Work in Process provides a complete production management system. Specifically, this guide describes how discrete, repetitive, assemble-to-order, project, flow, and mixed manufacturing environments are supported.

Oracle Workflow User's Guide

This guide describes how to define new workflow business processes as well as customize existing Oracle Applications-embedded workflow processes. You also use this guide to complete the setup steps necessary for any Oracle Applications product that includes workflow-enabled processes.

Do Not Use Database Tools to Modify Oracle Applications Data

Oracle STRONGLY RECOMMENDS that you never use SQL*Plus, Oracle Data Browser, database triggers, or any other tool to modify Oracle Applications data unless otherwise instructed.

Oracle provides powerful tools you can use to create, store, change, retrieve, and maintain information in an Oracle database. But if you use Oracle tools such as SQL*Plus to modify Oracle Applications data, you risk destroying the integrity of your data and you lose the ability to audit changes to your data.

Because Oracle Applications tables are interrelated, any change you make using an Oracle Applications form can update many tables at once. But when you modify Oracle Applications data using anything other than Oracle Applications, you may change a row in one table without making corresponding changes in related tables. If your tables get out of synchronization with each other, you risk retrieving erroneous information and you risk unpredictable results throughout Oracle Applications.

When you use Oracle Applications to modify your data, Oracle Applications automatically checks that your changes are valid. Oracle Applications also keeps track of who changes information. If you enter information into database tables using database tools, you may store invalid information. You also lose the ability to track who has changed your information because SQL*Plus and other database tools do not keep a record of changes.

1

Advanced Planning Command Center Overview

This chapter covers the following topics:

- Advanced Planning Command Center Overview
- Overview of Scenarios
- Overview of Web Services
- Overview of Dashboards

Advanced Planning Command Center Overview

Oracle Advanced Planning Command Center unifies all the Advanced Planning applications such as Demand Management, Real-Time Sales and Operations Planning, Strategic Network Optimization, Advanced Supply Chain Planning, Distribution Requirements Planning, and Inventory Optimization. It provides a unified user interface and a single repository of all data. It is flexible, enabling the user to access data from external supply chain planning applications and make them available for reporting and analysis within a unified user interface based on Oracle Business Intelligence - Enterprise Edition (OBIEE).

Overview of Scenarios

Oracle Advanced Planning Command Center enables users to define multiple what-if planning scenarios that simulate different business parameters. Users can associate the scenarios to underlying Predefined Business Process Execution Language (BPEL) processes and automate the execution, orchestration, and monitoring of the scenarios. It provides extensive plan and scenario comparison capabilities, and facilitates the collaboration required for inter-organizational and interdisciplinary planning processes such as Sales and Operations Planning.

See Understanding Scenario Planning, page 2-1

Overview of Web Services

Oracle Advanced Planning Command Center provides access to an extensive list of Web services that decompose Oracle Advanced Planning capabilities into atomic functional pieces. BPEL processes leverage these Web services and they can be used to automate and orchestrate sales and operations planning and supply chain planning business flows.

See Web Services, page 3-4

Overview of Dashboards

Users can view plan outputs using predefined, role-based dashboards with seeded reports that expose a collection of more than 200 facts. These facts span the entire planning spectrum and can be analyzed across more than 20 dimensional hierarchies. These dashboards can be customized at the user level, which can also expose custom OBIEE reports. Predefined dashboards are provided to support the sales and operations planning and the supply-chain analysis business processes.

See Understanding the Supply Chain Analyst Dashboard, page 5-1 and Using the Sales and Operations Planning Dashboard, page 6-1.

2

Managing Scenarios

This chapter covers the following topics:

- Understanding Scenario Planning
- Using Scenario Planning
- Working with Scenarios
- Working with Scenario Sets
- Working with Activities
- Working with Planning Processes

Understanding Scenario Planning

The purpose of Scenario Planning is to model business scenarios that use different parts of the supply chain using planning scenarios. A planning scenario represents a what-if business situation that you use to forecast, analyze, and compare to another scenario. Scenario planning enables you to view and analyze your global organization, which provides a holistic view of the problem and improves decision-making processes.

An integrated planning process requires that planners not only effectively model the individual parts of the supply chain but also model the end-to-end business process so that they can monitor and control the process in a structured and methodical way.

Scenario Planning enables you to model your end-to-end business processes and planning scenarios by combining individual planning processes. This enables users to automate, view, monitor, and react to the entire planning flow from one central location.

Using Scenario Planning

Scenario planning uses these components:

- Planning scenarios.

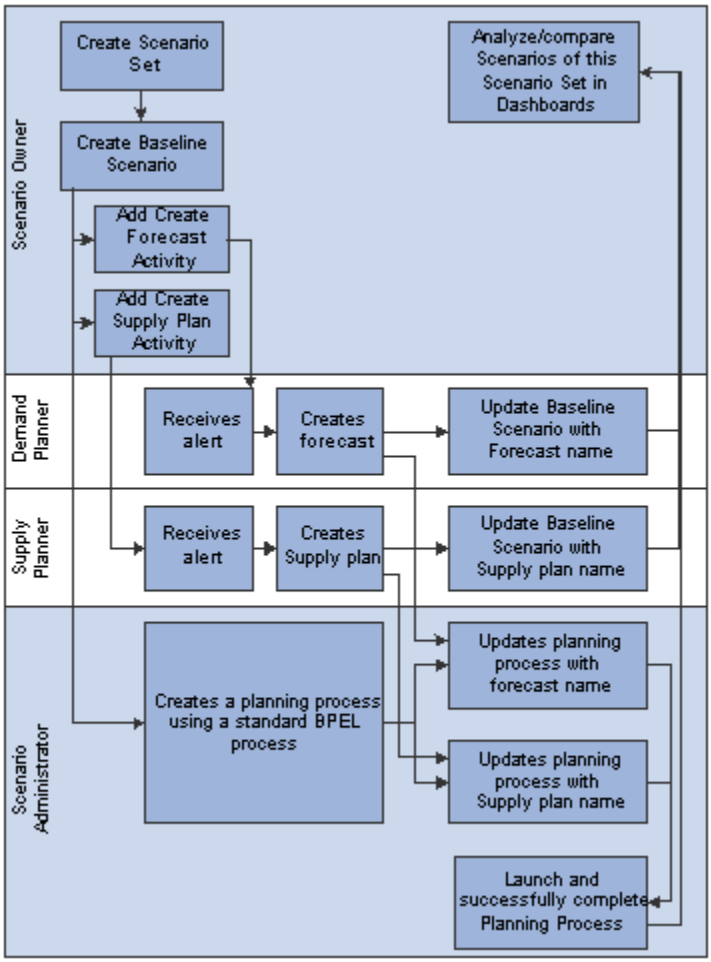
- Planning scenario sets.
- Planning processes.
- Activities.

Users can create a new scenario and include plans in the scenario. Users can group scenarios into scenario sets. The user can then run the plans manually in the individual application. After running the plans, the user can use the scenario to analyze and compare in the Planning Dashboards.

As an alternative, users can create a planning process using an existing process definition or template. The user copies the process definition or template, links the plans to the process, and then enables the process to automatically launch the plans in the specified sequence.

See **Oracle Advanced Planning Command Center**, Understanding Service-Enablement Planning Processes.

This diagram illustrates how a scenario set can be used by various roles to orchestrate the overall planning process:



Example 1 - Typical Flow of Scenario Planning

A typical user flow of Scenario Planning includes these roles:

- Scenario owner.
- Demand planner.
- Supply planner.

In this example, the scenario owner creates a scenario, which represents a set of business conditions. The baseline scenario is a scenario that subsequent what-if scenarios can be compared to. And a set of related scenarios can be grouped into a scenario set.

The business conditions are embedded in a scenario set, which models a specific business cycle or situation. The scenario owner creates scenario sets.

The scenario owner then creates user-defined activities for the scenario:

- One activity for the demand planner to create a forecast that takes care of the business conditions that this scenario represents.
- One activity for the supply planner to create a supply plan.

The activities are assigned to specific owners with a due date.

The demand planners and the supply planners are immediately notified through a workflow notification message of their open tasks. The demand planner creates and publishes a named forecast (in the demand management application) and the supply planner creates and launches a supply plan (in the supply management application). The planners then update the scenario with the name of the forecast and supply plan.

The scenario is now ready for review or for comparison with other scenarios in the Advanced Planning Command Center dashboards.

Example 2 - Optional Flow of Scenario Planning

An optional user flow of Scenario Planning includes the scenario administrator role.

In this example, it is important to coordinate multiple manual steps such as Collections, Forecasting, Review, Supply Planning, and so on, in a specific sequence. The scenario administrator automates this flow using predefined process flow templates in the Advanced Planning Command Center application.

When a new process is created by means of one of the predefined process flow templates, the system generates a set of activities that represent individual process steps. These individual process steps are called Business Process Execution Language (BPEL) scope nodes. The scenario administrator specifies the inputs for each activity, including the names of the forecasts, plans, and the necessary launch parameters.

The scenario administrator either launches the process or schedules it to start at a specified time in future. This launches each of the process steps in an automated sequence with the appropriate alerts, such as workflow notification messages, to the owners of the activities. The Advanced Planning Command Center provides the administrator with a summary of all the processes and the completion status at any point in time.

When the process completes, the scenario that uses these plans is ready for analysis.

Working with Scenarios

This section provides an overview of the Scenarios page and the scenario states, and discusses how to:

- Access the scenarios page.
- Search for scenarios.

- Create new scenarios.
- Copy scenarios.
- Edit scenarios.
- Archive scenarios.
- Purge scenarios.
- Purge plan facts.

Understanding the Scenarios Page

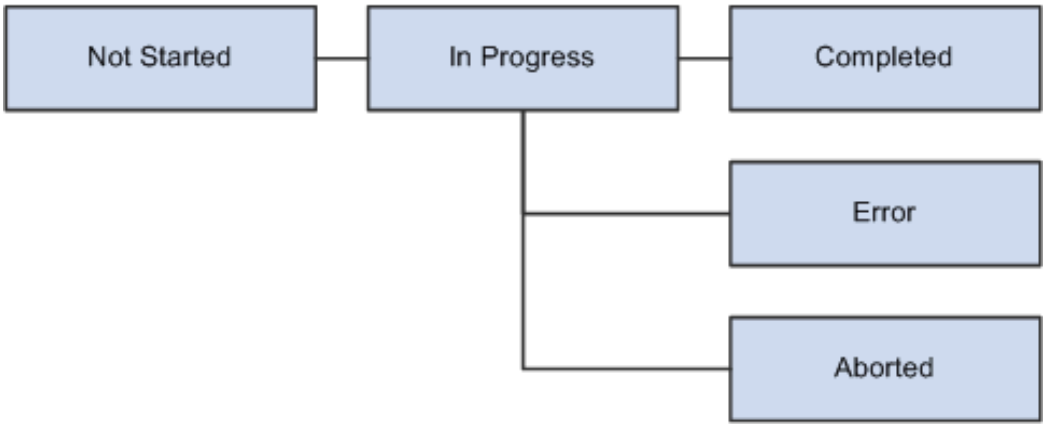
The Scenarios page is the primary work area used by a scenario manager or a planner. The user can perform these tasks:

- Manage scenarios, which includes creating, copying, editing, archiving, and purging scenarios.
- Associate or link plans to scenarios.
- Navigate from a scenario to a planning dashboard.
- Query and view scenarios.

Understanding Scenario States

Scenarios and scenario activities are assigned a status while they are processed.

This diagram illustrates the states that a scenario goes through in its life cycle. This is also applicable for all system activities for a scenario.



This table describes each state that a scenario or activity can have:

Status	Description
Not Started	When all activities (user and system) are not started.
In Progress	When at least one activity (user or system) is in progress.
Complete	When all activities (user and system) are complete.
Error	When at least one activity (user or system) is in an error state.
Warning	When at least one activity (user or system) is in a warning state.
Aborted	When at least one activity has terminated.

Accessing the Scenarios Page

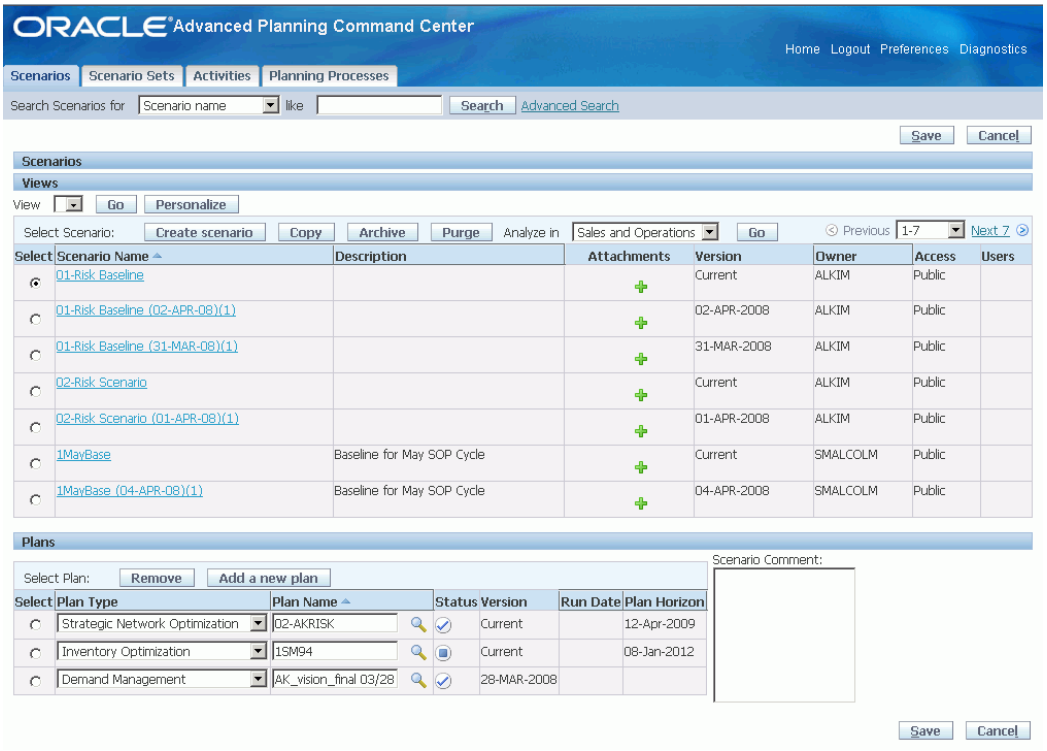
The purpose of the Scenarios page is to provide you with a summary view of the selected scenarios. You can also view the plans that are attached to a selected scenario.

Use the Scenarios page to view, query, create, edit, copy, archive, and purge scenarios. Users can also remove and add plans to scenarios.

To access the Scenarios page:

1. Select the Advanced Planning Scenario Manager responsibility.

2. Select Scenarios.



The fields and definitions for the Scenarios table are:

Field Name	Definition
Search Scenarios for	Select from the list of options when performing a simple search such as: scenario name, scenario description, scenario owner, and so on.
Like	Enter a value that represents the field selected in the Search Scenarios for field. For example, if you select Scenario Owner in the Search Scenarios for field, enter an owner name in the Like field. The search criteria can be a partial value.
Search	Click to execute a search and refresh the tables below. This search is not case-sensitive.
Advanced Search	Click to access the Advanced Search page.

Field Name	Definition
Save	Click to save the page. You can continue editing.
Cancel	Click to discard changes and return to the page.
View	Select an option to view scenarios. Options include all personalized views for the user.
Go	Click to execute the option selected in the View field.
Personalize	Select to personalize the columns in the view. You can create multiple personalized views.
Create scenario	Click to access the Create Scenario page.
Copy	Click to access the Copy Scenario page. You must select a scenario before clicking the Copy button.
Archive	Click to archive the selected scenario and all of its plans. You must select a scenario before clicking the Archive button.
Purge	Click to access the Purge Scenario page. You must select a scenario before clicking the Purge button.
Analyze in	Select a dashboard to analyze the selected scenario. The options that are available are determined by user setup. Click the Go button to access the selected option.
Select	Select a radio button to select a scenario before clicking the Copy button, the Purge button, or the Archive button, or selecting an option in the Analyze in field.
Scenario Name	Click the scenario name to access the Edit Scenario page for the selected scenario. Results can be sorted on this field.

Field Name	Definition
Description	Displays the scenario description. Results can be sorted on this field.
Attachments	Click an icon to view or add attachments.
Version	Displays the specific version of the scenario if it is an archived version. Or displays Current as a default, which is the latest version. See Understanding the Advanced Planning Analytical Framework, Archiving plans and scenarios.
Owner	Displays the owner of this scenario. Results can be sorted on this field.
Access	Displays the access, **Public** or **Private**, for this scenario.
Users	Displays the users who have access to the scenario if the Access value is **Private**.

The Plan table displays the details of the selected scenario. The fields and definitions for the Plans table are:

Field Name	Definition
Remove	Select to remove the selected plan from the scenario.
Add a new plan	Select to create a new editable row in the Plans table.
Select	Select a radio button to select a plan before clicking the Remove button.

Field Name	Definition
Plan type	Select the type of plan. Options include: **Demand Management**, **Strategic Network Optimization**, **Advanced Supply Chain Planning**, **Inventory Optimization**, **Distribution Planning**, and **Service Planning**. Results can be sorted on this field. **Note:** Scenarios with Service Planning type are currently not supported for viewing in the seeded dashboards or reports.
Plan name	Select the plan that is displayed in the list that you want. The list contains all plans for the selected plan type. Results can be sorted on this field.
Status	Displays the status of the plan. Results can be sorted on this field.
Version	Displays the version of the plan if it is an archived version. Or displays Current as a default, which is the latest version. See Understanding the Advanced Planning Analytical Framework, Archiving plans and scenarios.
Run date	Displays the last run date for the plan. Results can be sorted on this field.
Plan Horizon	Displays the plan horizon. Results can be sorted on this field.

Searching for Scenarios

Two types of searches can be performed on the Scenarios page:

- Simple search.
- Advanced search.

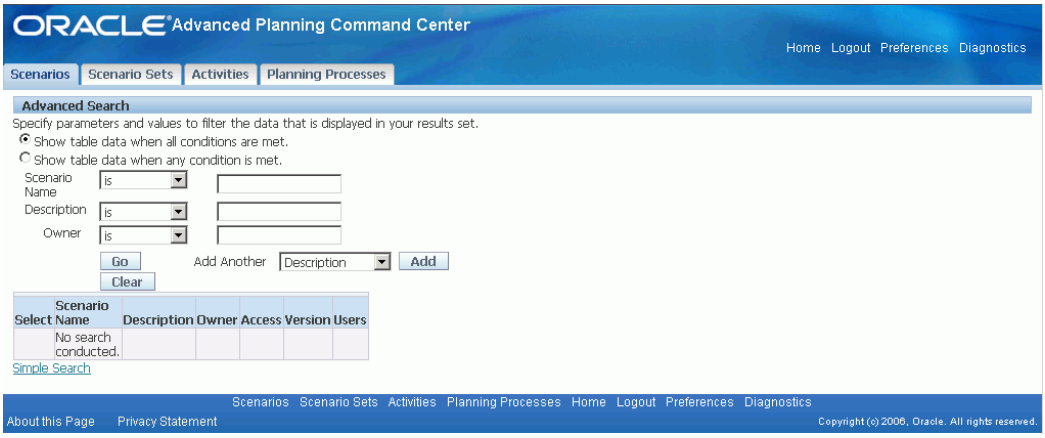
To perform a simple search:

1. Select an option in the Search Scenarios for field.
2. Enter a value in the Like field.
3. Click the Search button.

To perform an advanced search:

1. Click the Advanced Search link.
2. Enter all criteria for the search.

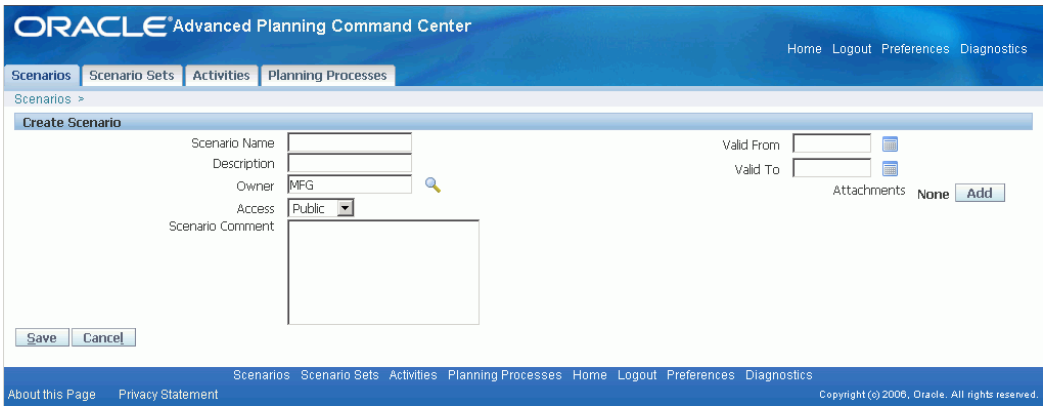
   Remember that the more fields you enter the smaller the search result.
3. Click the Search button.



Creating New Scenarios

To create a new scenario:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.
3. Click the Create Scenario button.



The fields and definitions for the Create Scenario page are:

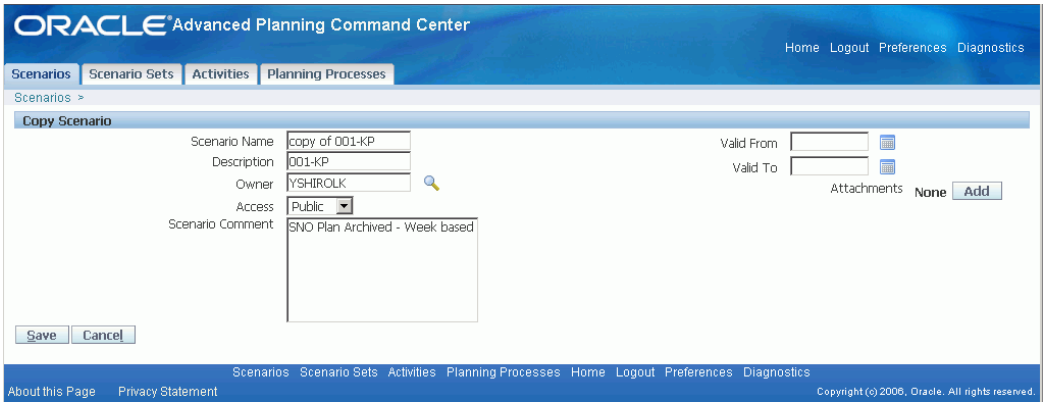
Field Name	Definition
Scenario Name	Enter a name that uniquely identifies the scenario.
Description	Enter a description of the scenario.
Owner	Select the owner of the scenario. The current user automatically defaults into the field.
Access	Select **Public** to enable the scenario to be editable and accessible to all users. **Private** to enable only the users listed in the Users field to edit and access the scenario.
Users	Select the users who are currently authorized to access the scenario when the Access field is Private. This field is not accessible when the Access field is Public.
Scenario comment	Enter comments for this scenario.
Attachments	Click the Add button to open the standard attachments table.
Valid from	Enter or select a date that determines the beginning of the scenario.
to	Enter or select a date that determines the end of the scenario.

Field Name	Definition
Save	Click to save the new scenario and return to the previous page.
Cancel	Click to cancel the entries and return.

Copying Scenarios

To copy a scenario:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.
3. Select the scenario to copy.
4. Click the Copy button.



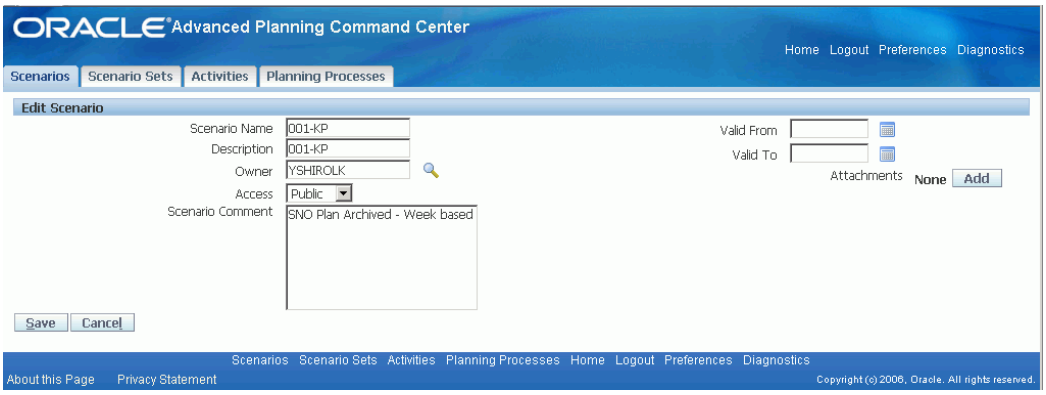
The fields and definitions for the Copy Scenario page are the same as those on the Create Scenario page.

See Managing Scenarios, Working with Scenarios, Creating Scenarios.

Editing Scenarios

To edit a scenario:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.
3. Click the Scenario Name link.



The fields and definitions for the Edit Scenario page are the same as those on the Create Scenario page.

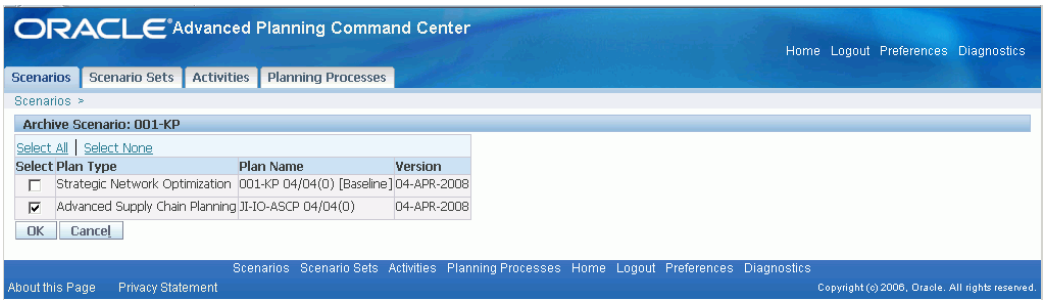
See Creating New Scenarios, page 2-11

Archiving Scenarios

To archive a scenario:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.
3. Select the scenario to archive.
4. Click the Archive button.

   All plans for the scenario are automatically selected.



Purging Scenarios

Purging scenarios deletes all fact data and related summary aggregates of the scenario by deleting the fact data associated with the underling plans.

However, it does not delete the actual plan or forecast data that is used in respective applications such as Advanced Supply Chain Planning (ASCP), Strategic Network

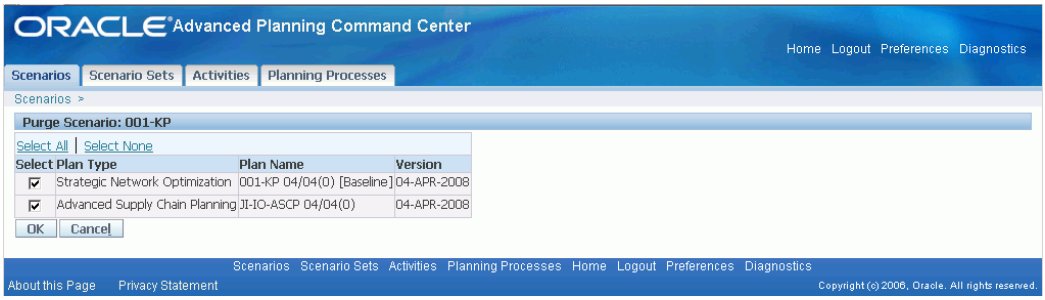
Optimization (SNO), and so on. For example, the Purge Scenario is different from the Purge Plan program in ASCP. The Purge Plan in ASCP deletes the plan data.

Plans that are shared by more than one scenario cannot be selected on this page. Instead, use the Purge plan facts page to purge individual plans.

To purge scenarios:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.
3. Select the scenario to purge plan facts.
4. Click the Purge button.
5. Select the plan to be purged.

   If a plan is part of another scenario, the Select check box is not available.



If no plans are selected, the scenario definition is deleted. All plan data, fact, and summary information remains intact.

If some plans are selected, the scenario definition is deleted as well as the facts and summaries of the selected plans.

Purging Plan Facts

Use the Purge Plan Facts page to purge plan facts and summary data for an individual plan. All scenarios that use the plan are listed on the Purge Plan Facts page.

Use caution when purging plan facts. When plan facts are purged they are not available for analysis in any scenario. Plan facts cannot be recovered unless the plan is rerun or the facts are recalculated.

However, purging plan facts does not delete the actual plan or forecast data that is used in respective applications such as ASCP, SNO, and so on. For example, the Purge Plan Facts is different from the Purge Plan program in ASCP. The Purge Plan in ASCP deletes the plan data.

To purge plan facts:

1. Select the Advanced Planning Administrator responsibility.
2. Select Purge Plan Facts under the Admin heading.
3. Enter or select the plan in the Plan field.

   All scenarios for the plan are listed.

Working with Scenario Sets

This section provides an overview of the Scenario Sets page and discusses how to:

- Access the Scenario Sets - Scenarios page.
- Access the Scenario Sets - Activities page.
- Create scenario sets.
- Edit scenario sets.

Understanding the Scenario Sets Page

The Scenario Sets page is a primary work area used by a scenario manager or a planner.

The user can:

- Manage scenario sets, which includes editing and creating scenario sets.
- Associate multiple scenarios with a scenario set.
- Manage activities within a scenario set, which includes creating activities, deleting activities, changing the status of an activity, and changing the owner of an activity.
- Query and view scenario sets.

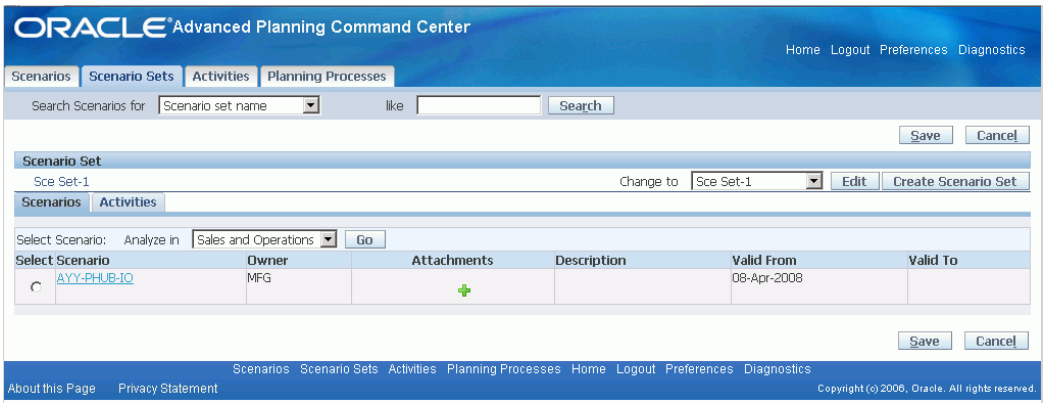
Accessing the Scenario Sets - Scenarios Page

Use the Scenario Sets – Scenarios page to edit and create scenario sets.

To access the Scenario Sets – Scenarios page:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.

   Alternatively, you can select Scenario Sets.
3. Select the Scenario Sets tab.



The fields and definitions for the Scenario Sets – Scenarios page are:

Field Name	Definition
Search Scenarios for	Select an option to search scenarios.
Like	Enter a value to help reduce the results of the search. If the search results in multiple scenario sets, the tables display the first scenario set. Users can cycle through the remaining scenario sets using the **Change to** field.
Search	Click to execute the search and refresh the tables.
Save	Click to save changes and return to the current page.
Cancel	Click to discard changes and return to the previous page.
Change to	Select to view another scenario set. All scenario sets that match the search criteria are listed.
Edit	Click to edit the selected scenario set.
Create scenario set	Click to create a new scenario set.

Field Name	Definition
Analyze in	Select a dashboard to analyze the selected scenario. The options that are available are determined by user setup. Click the Go button to access the selected option.
Select	Select a radio button to select a scenario before clicking the Go button.
Scenario	Click the scenario name to view the selected scenario details on the Scenarios page. Results can be sorted on this field.
Owner	Click to access the Activities tab for the owner name. All activities that are associated with this owner are displayed. Results can be sorted on this field.
Attachments	Click to view attachments.
Description	Displays the scenario description.
Valid from	Displays the valid from date.
Valid to	Displays the valid to date.

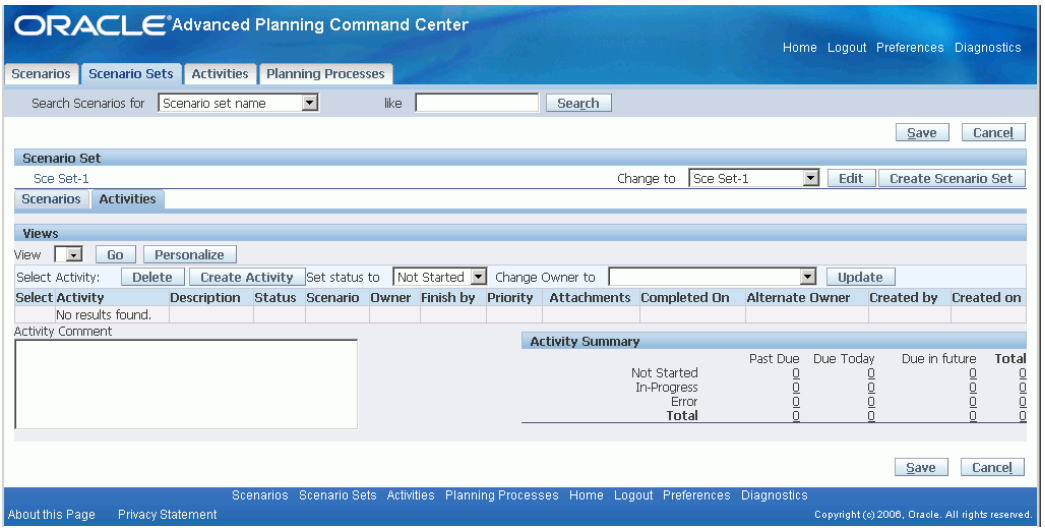
Accessing the Scenario Sets - Activities Page

Use the Scenario Sets – Activities page to create, delete, change the status of, or change the owner of an activity.

To access the Scenario Sets – Activities page:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.

   Alternatively, you can select Scenario Sets.
3. Select the Scenario Sets tab.
4. Click the Activities tab.



The fields and definitions for the Scenario Sets – Activities page are:

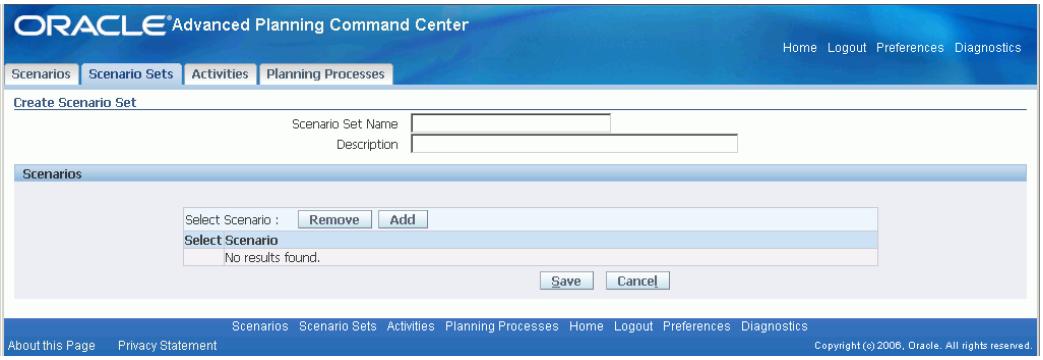
Field Name	Definition
View	Select an option to view activities for the selected scenario set. Options include all personalized views for the user.
Go	Click to execute the option selected in the View field.
Personalize	Click to create personalized views for the user.
Create activity	Click to access the Create Activity page.
Delete	Click to delete the selected activity.
Set status to	Select an option to change the status of an activity. Options include: • Not Started • In Progress • Escalated • Completed

Field Name	Definition
Change owner to	Select an option to change the owner of an activity.
Update	Click to carry out an option selected in the Set status to or Change owner to fields.
Select	Select a radio button to select an activity before clicking the delete button, selecting an option in the Set status to field, selecting an option in the Change owner to field, or clicking the Update button.
Activity	Click to access the Activity tab for the activity.
Description	Displays the activity description.
Status	Displays the activity status. To change this value, select the radio button for the activity, select an option in the Set status to field, and click the Update button.
Scenario	Click to access the Scenario page for the scenario.
Owner	Click to access the Activities tab for the owner. All activities for the owner are displayed.
Finish by	Displays the finish by date for the activity.
Priority	Displays the priority for the activity
Attachments	Click to view attachments.
Completed on	Displays the date that an activity was completed.
Alternate Owner	Displays the alternate owner name.
Created by	Displays the name of the person who created the activity.
Created on	Displays the date that the activity was created.

Field Name	Definition
Activity Comment	Enter comments for this activity.
Activities Summary	Displays a summary of all activities queried for the scenario set.

Creating Scenario Sets

Use the Create Scenario Set page to create a scenario set.



To create a scenario set:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.

   Alternatively, you can select Scenario Sets.
3. Select the Scenario Sets tab.
4. Click the Create Scenario Set button.
5. Enter a name in the Scenario Set Name field.
6. Enter a description in the Description field.
7. Click the Add button to add a row in the Select Scenario table.
8. Click the Search for Scenario button.
9. Search and select a scenario to add to the scenario set.
10. Click the Save button.

To remove scenarios from a scenario set:

1. Select the scenario using the Select radio button.
2. Click the Remove button.

Editing Scenario Sets

Use the Edit Scenario Set page to edit scenario sets.

To edit a scenario set:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.

   Alternatively, you can select Scenario Sets.
3. Select the Scenario Sets tab.
4. Select the scenario set in the Change to field.
5. Click the Edit button.

The fields and definitions on the Edit Scenario Set page are the same as those on the Create Scenario Set page.

See Creating Scenario Sets, page 2-21

Working with Activities

This section provides an overview of the Activities page and discusses how to:

- Access the Activities page.
- Create activities.
- Edit activities.

Understanding the Activities Page

Use the Activities page to query, view, and create all activities including manually entered activities and system activities.

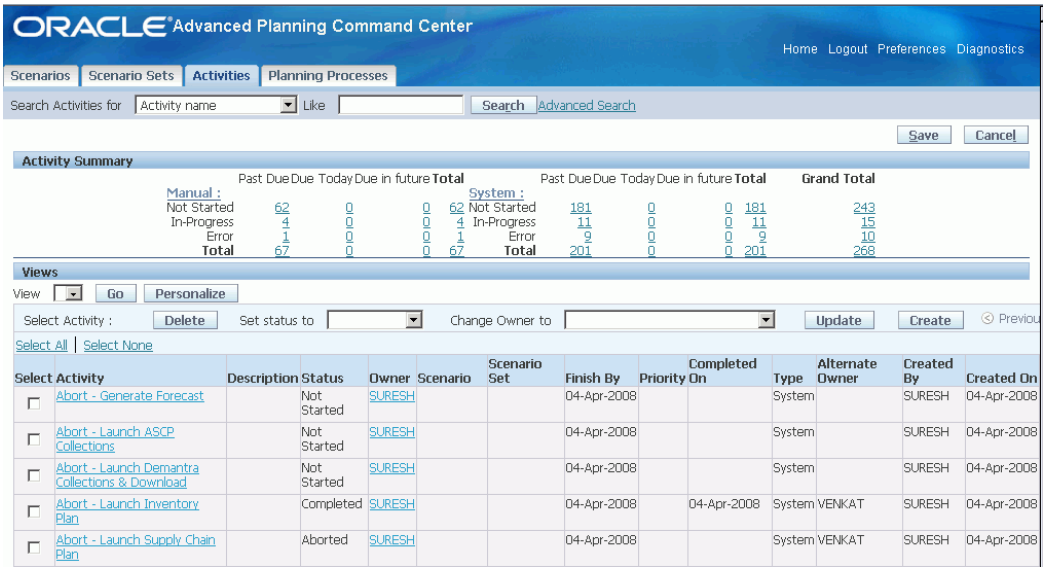
- Manual activities are created in the context of a scenario or scenario set.
- A planning process generates system activities.

Accessing the Activities Page

To access the Activities page:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.

   Alternatively, you can select Activities.
3. Select the Activities tab.



The fields and definitions for the Activities page are:

Field Name	Definition
Search Activities for	Select from the list of options when performing a simple search. Options include: Activity Name, Activity Description, Activity Status, Owner, and so on.
Like	Enter a value that represents the field selected in the Search Activities for field. For example, if you select Owner in the Search Activities for field, enter an owner name in the Like field.
Search	Click to execute a search and refresh the tables below.

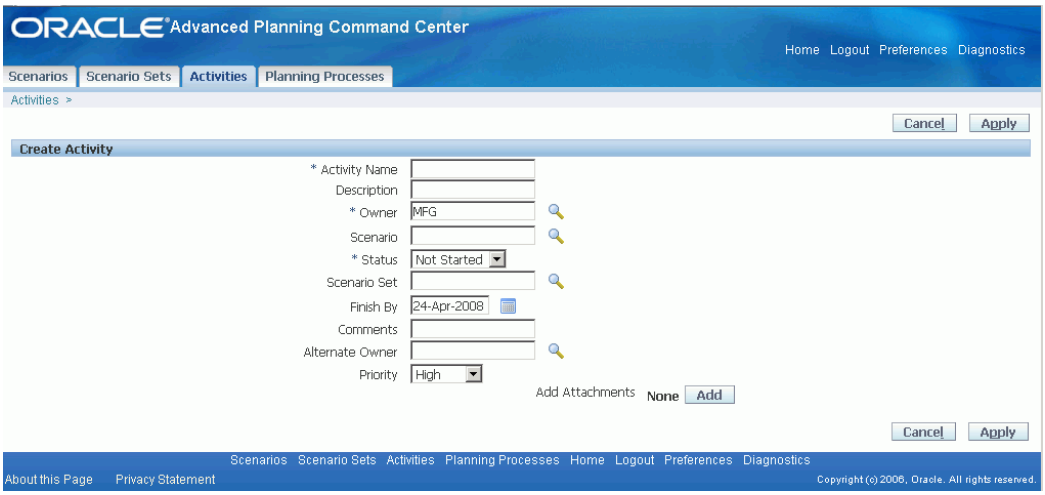
Field Name	Definition
Advanced Search	Click to access the Advanced Search page.
Save	Click to save the page and enable the user to continue editing.
Cancel	Click to discard changes and return to the previous page.
Activities Summary	Displays a high-level summary of all manual and system activities by activity type. Columns display activities that are past due, due today, due in the future, and the total for each status. Click the links within the table to refresh the page and display only those activities.
View	Select an option to view activities. Options include a default view and all personalized views for the user.
Go	Click to execute the option selected in the View field.
Personalize	Select to create personalized views.
Create activity	Click to access the Create Activity page.
Delete	Click to delete the selected activity from the system. The activity is also deleted from the relevant scenario and scenario set.
Set status to	Select an option to change the status of an activity. Options include: • Not Started. • In Progress. • Escalated. • Completed.

Field Name	Definition
Change owner to	Select an option to change the owner of an activity.
Update	Click to execute an option selected in the Set status to and Change owner to fields.
Select	Select a check box to select one or more activities before: • Clicking the delete button. • Selecting an option in the Set status to field. • Selecting an option in the Change owner to field. If a manual activity is selected, the user receives this error message: Cannot update or delete system activities.
Activity	Select to access one of these pages: • If the activity is a user-defined manual activity (not related to a planning process), then the Edit Activity page appears. • If the activity is a part of a planning process (an automated or a manual process), then the Planning Process page appears and displays the planning process to which the activity belongs.
Description	Displays the activity description.
Status	Displays the activity status.
Owner	Click this link to refresh the Activities tab with all activities for which this user is the owner.
Scenario	Click this link to open the Scenario page for the specific scenario.

Field Name	Definition
Scenario Set	Click this link to open the Scenario Set page for the specific scenario set.
Finish by	Displays the Finish by date.
Priority	Displays the priority that is assigned by the user.
Completed on	Displays the completed date for activities that have a Completed status.
Type	Displays the type of activity. Options include **Manual** and **System Generated**.
Alternate Owner	Displays the alternate owner.
Created by	Displays the name of the person who created the activity
Created on	Displays the date that the activity was created.
Comments	Displays comments.
Attachments	Click the icon to view or add attachments.

Creating Activities

Use the Create Activity page to create activities. You can access this page from the Scenarios page, the Scenario Sets page, or the Activities page.



To create activities from the Activities page:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.

   Alternatively, you can select Activities.
3. Select the Activities tab.
4. Click the Create activity button.
5. Complete all required fields.
6. Click the Save button.

The fields and definitions for the Activities page are:

Field Name	Definition
Activity Name	Enter a name that uniquely identifies the activity.
Owner	Select an owner of the activity. The system automatically selects the current user name. When you update the Owner field, or create a new activity for an owner, a workflow notification is sent to the owner who has the activity information.

Field Name	Definition
Status	Select a status for the activity. The system automatically selects **Not Started** as the activity status. Other options include: • In Progress. • Escalated. • Completed.
Finish by	Enter or select the date that the activity is to be finished. If the finish by date arrives and the activity does not have a Completed status, a workflow notification is sent to the alternate owner.
Alternate owner	Select an alternate owner.
Priority	Select a priority. Options include **High**, **Medium**, and **Low**.
Description	Enter a description of the activity.
Scenario	Select a valid scenario.
Scenario Set	Select a valid scenario set.
Comments	Enter comments for the activity.
Attachments - Add	Click to add attachments for the activity.

Editing Activities

Use the Edit Activities page to edit activities.

To edit an activity:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.

   Alternatively, you can select Activities.

3. Select the Activities tab.

4. Select the link with the name of a manual activity.

All fields on the Edit Activity page are the same as those on the Create Activity page.

See Creating Activities, page 2-26

Working with Planning Processes

This section provides an overview of the Planning Processes page and discusses how to:

- Access the Planning Processes page.
- Enter parameters.
- Start planning processes.
- Schedule planning processes.
- Terminate planning processes.

Understanding the Planning Processes Page

Use the Planning Processes page to create, query, and view planning processes.

Accessing the Planning Processes Page

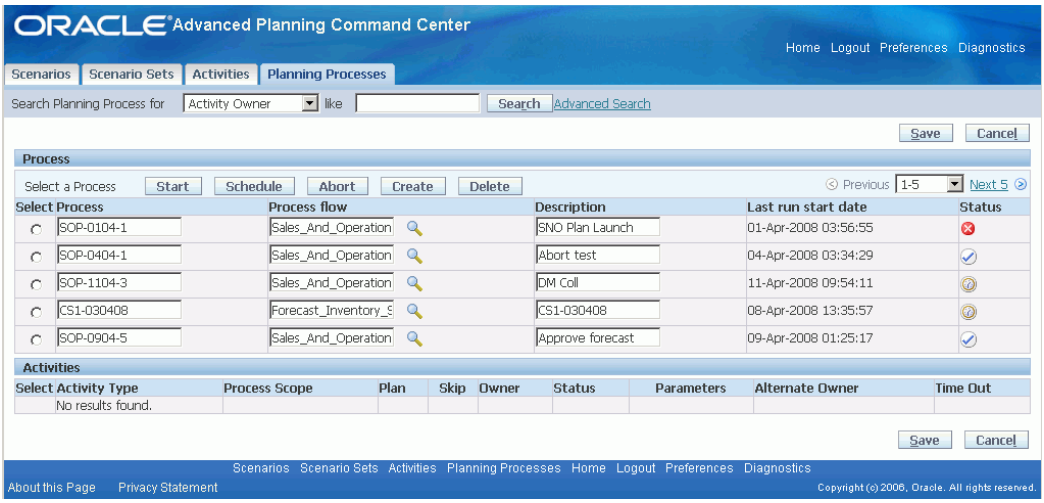
To access the Planning Processes page:

1. Select the Advanced Planning Scenario Manager responsibility.

2. Select Scenarios.

   Alternatively, you can select Planning Processes.

3. Select the Planning Processes tab.



The fields and definitions for the Planning Processes page are:

Field Name	Definition
Search Planning Processes for	Select from the list of options when performing a simple search. Options are: Process Name, Process Description, Process Status, Process Flow, and so on.
Like	Enter a value that represents the field selected in the Search Planning Processes for field.
Search	Click to execute a simple search and refresh the tables below.
Advanced Search	Click to access the Advanced Search page.
Save	Click to save the page and enable the user to continue editing.
Cancel	Click to discard changes and return to the previous page.
Start	Click to access the Start Process page. This starts the underlying BPEL process for the selected process.

Field Name	Definition
Schedule	Click to access the Schedule Process page. This enables you to schedule the underlying BPEL process for the selected process.
Abort	Click to access the Abort Process page for the selected process.
Create	Click to add a new row in the table and create a new process using a predefined process flow templates.
Select	Select a radio button to select a process before clicking the Start, Schedule, or Abort button.
Process	Enter a name that uniquely identifies a process.
Process flow	Select a process flow. The list of values includes all predefined BPEL process flows that are delivered for the Advanced Planning Suite. The system populates the Activities table with the activities of the selected process flow.
Description	Enter a description of the process.
Last run start date	Displays the last time and date that the process ran.
Status	Displays a derived status of the process from the statuses of all its activities.

Fields and definitions for the Activities table on the Planning Processes page are:

Field Name	Definition
Select	Select a radio button to select an activity before taking an action such as Schedule, Abort, Delete, and so on.

Field Name	Definition
Activity type	Displays the activity type of all activities in the BPEL process flow. This field displays the name of the activity that corresponds to a specific step in the BPEL process flow.
Process Scope	Displays the process scope node that is associated with the activity type. This field displays the internal name of the BPEL scope node for the activity.
Plan	Select the plan for which the activity runs
Skip	Select to have the system bypass the activity.
Owner	Select the owner of the activity.
Status	Displays the status of the activity. The status is derived from the run status of the plan. Values are: • Not Started. • In Progress. • Completed. • Error.
Parameters	Click to access the Parameters page for the activity.
Alternate Owner	Select an alternate owner.
Timeout (hrs)	Enter a number of hours that must pass before activity is considered timed-out. The BPEL process uses this value to send a notification to the alternate owner. The timeout starts at the beginning of the activity.

Entering Parameters

The parameters table is populated with the list of parameters that are relevant for each

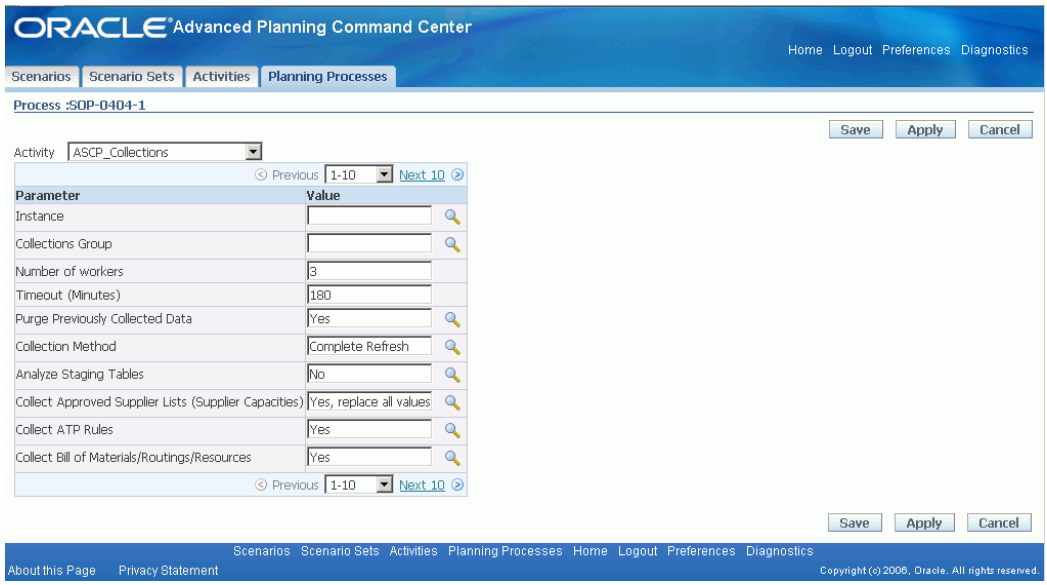
BPEL activity with the corresponding list of valid values for each parameter.

To enter parameters:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.

   Alternatively, you can select Planning Processes.
3. Select the Planning Processes tab.
4. Search for a process.
5. Select a process.

   The Activities table lists all activities for the process.
6. Select an activity.
7. Click the Parameters icon.
8. Select an activity in the Activity field.
9. Select or enter a valid value for each parameter.
10. Click the Save button.



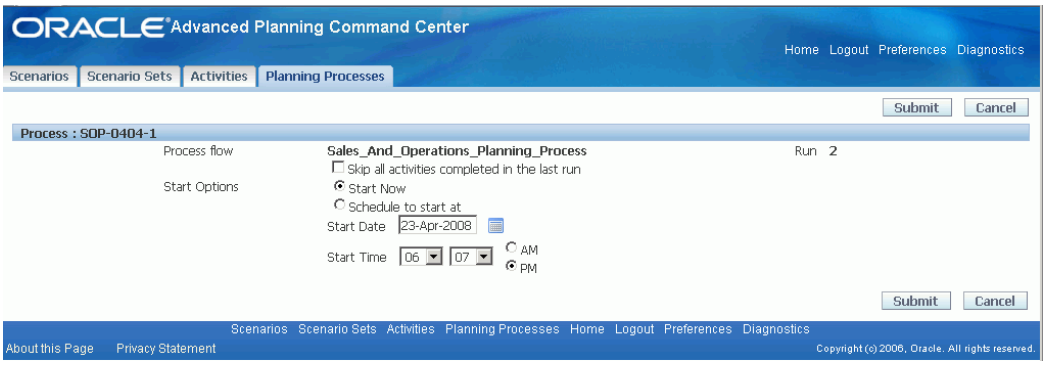
Starting Planning Processes

To start a planning process:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.

   Alternatively, you can select Planning Processes.
3. Select the Planning Processes tab.
4. Select the radio button for the process.
5. Click the Start button.
6. Select Skip all activities completed in the last run to rerun only the activities that do not have a Completed status from the previous run.

   Do not select Skip all activities completed in the last run to rerun the process from start to end.
7. Select Start Now as the Start Option.
8. Click the Submit button.



Scheduling Planning Processes

To schedule a planning process:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios. Alternatively, you can select Planning Processes.
3. Select the Planning Processes tab.
4. Select the radio button for the process.
5. Click the Schedule button.
6. Select Skip all activities completed in the last run to rerun only the activities that do

not have a Completed status from the previous run.

Do not select Skip all activities completed in the last run to rerun the process from start to end.

7. Select Schedule to start the Start option.
8. Enter or select a value in the Start Date and Start Time fields.
9. Click the Submit button.

Terminating Planning Processes

To terminate a planning process:

1. Select the Advanced Planning Scenario Manager responsibility.
2. Select Scenarios.

   Alternatively, you can select Planning Processes.
3. Select the Planning Processes tab.
4. Select the radio button for the process.
5. Click the Abort button.

   An Abort Process page appears.
6. Click the OK button.

3

Understanding Service - Enablement Planning Processes

This chapter covers the following topics:

- Understanding Oracle's Advanced Planning Business Processes
- The Forecast, Inventory, and Supply Planning Business Process
- The Sales and Operations Planning Business Process
- Web Services

Understanding Oracle's Advanced Planning Business Processes

A primary objective of the Advanced Planning Command Center application is to enable Oracle Advanced Planning customers to automate supply chain planning processes. These processes often include subprocesses that cross multiple Advanced Planning Suite (APS) engines and plan runs. For example, you can run the APS collections process in Advanced Supply Chain Planning (ASCP), followed by generating forecasts in Demand Management, followed by generating time-phased safety stock in Inventory Optimization, followed by generating detailed replenishment in ASCP.

To achieve this objective, APS planning processes must be divided into modular, callable subprocesses that can be chained together to meet the business needs of the individual customer.

These callable pieces are orchestrated using business logic and are constructed as web services. The business logic is expressed in Business Process Execution Language (BPEL).

Oracle's Advanced Planning Command Center delivers two pre-seeded BPEL process flow templates. These flow templates cover the common supply chain planning flows:

- The Forecast, Inventory, and Supply Planning business process flow.

- The Sales and Operations Planning business process flow.

Both processes use web services that orchestrate standard planning business process flows.

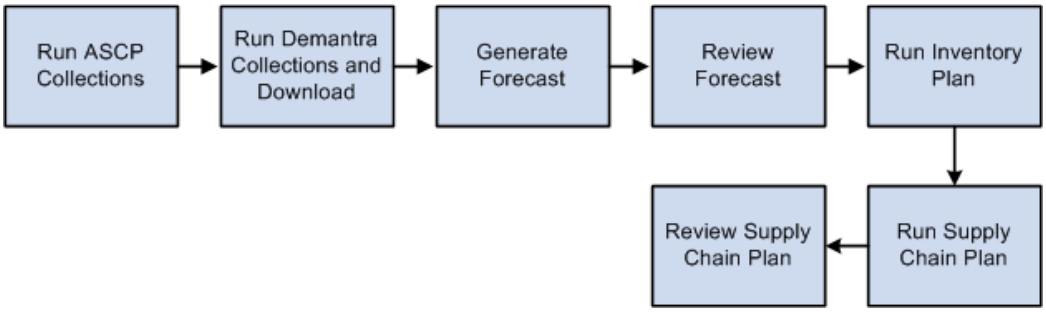
The Forecast, Inventory, and Supply Planning Business Process

The objective of this business process flow is to automate a typical forecasting, inventory, and supply planning cycle. It can be executed multiple times using different parameters to evaluate different risk scenarios for supply chain risk management.

Planning process activities are implemented as summary process blocks called scope nodes, which are also known as subprocesses. The sequence of the Forecast, Inventory, and Supply Planning subprocesses are:

1. Run the ASCP Collections subprocess.
2. Run the Demantra Collections and Download subprocess.
3. Generate the Forecast subprocess.
4. Review the Forecast subprocess.
5. Run the Inventory Plan subprocess.
6. Run the Supply Chain Plan subprocess.
7. Review the Supply Chain Plan subprocess.

This diagram illustrates the Forecast, Inventory, and Supply Planning business process:



The individual subprocess diagrams of the Forecast, Inventory, and Supply Planning process flow diagram can be found in Appendix A of this user's guide.

See The Forecast and Supply Planning BPEL Business Process, page A-1

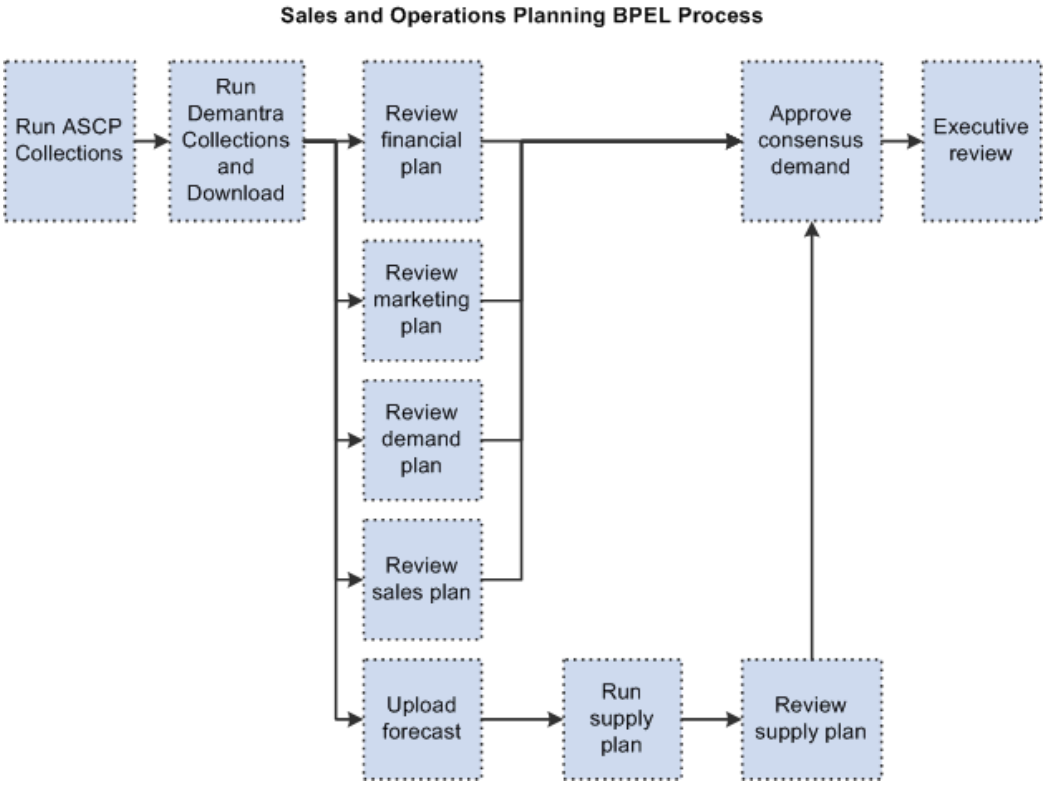
The Sales and Operations Planning Business Process

The objective of this business process flow is to automate a typical sales and operations planning cycle.

Planning process activities are implemented as summary process blocks called scope nodes, which are also known as subprocesses. The sequence of the Sales and Operations Planning subprocesses are:

1. Run the ASCP Collections subprocess.
2. Run the Demantra Collections and Download subprocess.
3. Review the Financial Plan subprocess.
4. Review the Marketing Plan subprocess.
5. Review the Demand Plan subprocess.
6. Review the Sales Plan subprocess.
7. Upload the Forecast subprocess.
8. Run the Supply Plan subprocess.
9. Review the Supply Plan subprocess.
10. Approve the Consensus Demand subprocess.
11. Perform an Executive Review subprocess.

This diagram illustrates the Sales and Operations Planning business process:



The individual subprocess diagrams of the Sales and Operations Planning process flow diagram can be found in Appendix A of this user's guide.

See The Sales and Operations Planning BPEL Business Process, page A-13

Web Services

Oracle Advanced Planning Command Center provides a set on web services that are part of the business process flows. These web services are independently managed, loosely coupled, flexible, and reusable. They are built on top of Oracle Fusion Middleware and service-oriented architecture (SOA) technology.

Advanced Supply Chain Planning Web Services

This table lists the web services used by Advanced Supply Chain Planning (ASCP):

Service Operation	Service Description	API Type	Synch / Asynch
Release ASCP Recommendations	Release ASCP new purchase order, new work order, new transfer order, and implement, reschedule, or cancel (purchase order, sales order, internal requisition) recommendations.	Internal	Synch
Run ASCP Engine in Batch Mode	Launches ASCP concurrent program. Assume that the needed data is available in the Operation Data Store (ODS). The invoker of this service does not wait for the run to complete.	Internal	Asynch
Set ASCP Plan Options	Updates plan options for ASCP plans.	Internal	Synch

Advanced Planning Suite Web Services

This table lists the web services used by APS:

Service Operation	Service Description	API Type	Synch/Asynch
Data Export – Download Forecast	Allows external planning systems to retrieve forecast and forecast accuracy metrics.	Public	Synch
Data Export – Download Safety Stock		Public	Synch

Service Operation	Service Description	API Type	Synch/Asynch
Data Import – Upload Forecast	Allows external demand planning systems to integrate.	Public	Synch
Data Import – Upload Planned Supply	Uploads user-defined supplies as firm planned orders into an ASCP, Demand Resource Planning (DRP), or Service Resource Planning (SRP) plan.	Public	Synch
Data Import – Upload Safety Stock	Allows an external IO system to integrate.	Public	Synch

Collections Web Services

This table lists the web services used by Collections:

Service Operation	Service Description	API Type	Synch/Asynch
Run ASCP Collections	Launches ASCP collection concurrent program, which includes the ODS load. The invoker of this service does not wait for run to complete.	Internal	Asynch
Run Demantra Collections – Currency Conversions	Launches Demantra Currency Conversions collections concurrent program. The invoker of this service does not wait for the run to complete.	Internal	Asynch

Service Operation	Service Description	API Type	Synch/Asynch
Run Demantra Collections – Pricing Data	Launches Demantra Pricing Data collections concurrent program. The invoker of this service does not wait for the run to complete.	Internal	Asynch
Run Demantra Collections – Returns History	Launches Demantra Returns History collections concurrent program. The invoker of this service does not wait for the run to complete.	Internal	Asynch
Run Demantra Collections – SCI Data	Launches Demantra SCI Data collections concurrent program. The invoker of this service does not wait for the run to complete.	Internal	Asynch
Run Demantra Collections – Shipment and Booking History	Launches Demantra Shipment and Booking History collections concurrent program request set. The invoker of this service does not wait for the run to complete.	Internal	Asynch
Run Demantra Collections – UOM Conversions	Launches Demantra UOM (unit of measure) conversions collections concurrent program. The invoker of this service does not wait for the run to complete.	Internal	Asynch

Service Operation	Service Description	API Type	Synch/Asynch
Run ODS Load	Launches ODS (Operation Data Store) Load concurrent program. The invoker of this service does not wait for the run to complete.	Internal	Asynch

Demantra Web Services

This table lists the web services used by Demantra:

Service Operation	Service Description	API Type	Synch/Asynch
Assign Plan Name	Changes the Demand Planning (DP) scenario name of the uploaded Demantra output in the DP_SCENARIO_ENTRIES denorm table from that of the export integration profile to an arbitrary plan name.	Internal	Synch
Check Demantra Workflow Status	Checks for completion status of a Demantra workflow. For example, the Forecast Calculation and Approval workflow.	Internal	Synch
Run Demantra Workflow	Runs a specific named Demantra workflow in its entirety. Options are synchronous and asynchronous.	Internal	Synch/Asynch

Service Operation	Service Description	API Type	Synch/Asynch
Run Demantra Workflow with Context	Runs a specific named Demantra workflow with a level member context in its entirety. Options are synchronous and asynchronous.	Internal	Synch/Asynch
Terminate Demantra Workflow	Terminates a specific named Demantra workflow.	Internal	Asynch

Distribution Planning Web Services

This table lists the web services used by Distribution Planning:

Service Operation	Service Description	API Type	Synch/Asynch
Release DRP Results	Releases all changes to the operation system.	Internal	Synch
Run DRP Engine in Batch Mode	Launches DRP concurrent program. Assumes that the required data is available in the ODS. The invoker of this service does not wait for the run to complete.	Internal	Asynch
Set DRP Plan Options	Updates plan options for DRP plans.	Internal	Synch

Inventory Optimization Web Services

This table lists the web services used by IO:

Service Operation	Service Description	API Type	Synch/Asynch
Run IO Engine in batch mode	Launches IO concurrent program. Assumes that the required data is available in the ODS. Sets the Launch Planner to Yes. The invoker of this service does not wait for the run to complete.	Internal	Asynch
Set IO Plan Options	Updates plan options for IO plans.	Internal	Synch

Order Promising Web Service

This table lists the web service used by Order Promising:

Service Operation	Service Description	API Type	Synch/Asynch
Get Promise Date	Gets the product availability and date information that can be promised to a customer.	Public	Synch

Plan Management Web Services

This table lists the web services used by Plan Management:

Service Operation	Service Description	API Type	Synch/Asynch
Copy Plan	Launches the copy plan concurrent program to copy an ASCP, DRP, IO, or SRP plan. The invoker of this service does not wait for the run to complete.	Internal	Asynch
Purge Plan	Launches the purge plan concurrent program to copy an ASCP, DRP, IO, or SRP plan. The invoker of this service does not wait for the run to complete.	Internal	Asynch
Archive Plan	Extracts named metrics from input plans and copies them into separate archive metrics with the version number in the OBIEE (Oracle Business Intelligence – Enterprise Edition) repository.	Internal	Asynch

Scenario Management Web Services

This table lists the web services used by Scenario Management:

Service Operation	Service Description	API Type	Synch/Asynch
Check Process Status	Checks the status of any concurrent request and return statuses for **Complete** , **Failed**, or **In Progress**. Returns basic error information if the status is Failed.	Internal	Synch
Notify user	Sends a notification to a user when a task is complete or has failed, the users' assignment to a task, when a task is past due, when a task has changed, and so on.	Internal	Synch
Get Process Information	Retrieves attributes of a process.	Internal	Synch
Get Activity Information	Retrieves attributes of an activity. For example, the status, the due date, the owner, and so on.	Internal	Synch
Get Parameter Values	Retrieves parameters of an activity.	Internal	Synch
Update Process	Updates the process to indicate that is has started.	Internal	Synch
Set Activity Status	Updates the attributes of a process activity. For example, the status, the due date, the owner, and so on.	Internal	Synch
Archive Scenario	Associates versions of different plans to a scenario version.	Internal	Asynch

Service Parts Planning Web Service

This table lists the web services used by Service Parts Planning:

Service Operation	Service Description	API Type	Synch/Asynch
Release SRP Results	Releases all changes to the operation system.	Internal	Synch
Run SRP Engine in batch mode	Launches SRP concurrent program. Assumes that the required data is in the ODS. The invoker of this service does not wait for the run to complete.	Internal	Asych
Set SRP Plan Options	Updates plan options for SRP plans.	Internal	Synch

Strategic Network Optimization Web Services

This table lists the web services used by Strategic Network Optimization (SNO):

Service Operation	Service Description	API Type	Synch/Asynch
Generate SNO Model	Read the SNO plan options, optionally take a snapshot of the data in the ODS, generate SCBM (Supply Chain Business Modeler) xml files, generate the SNO import file, and run a SNO solve.	Internal	Asnych
Publish SNO Results	Publish SNO results into PDS (Planning Data Store).	Internal	Asnych

4

Understanding the Advanced Planning Analytical Framework

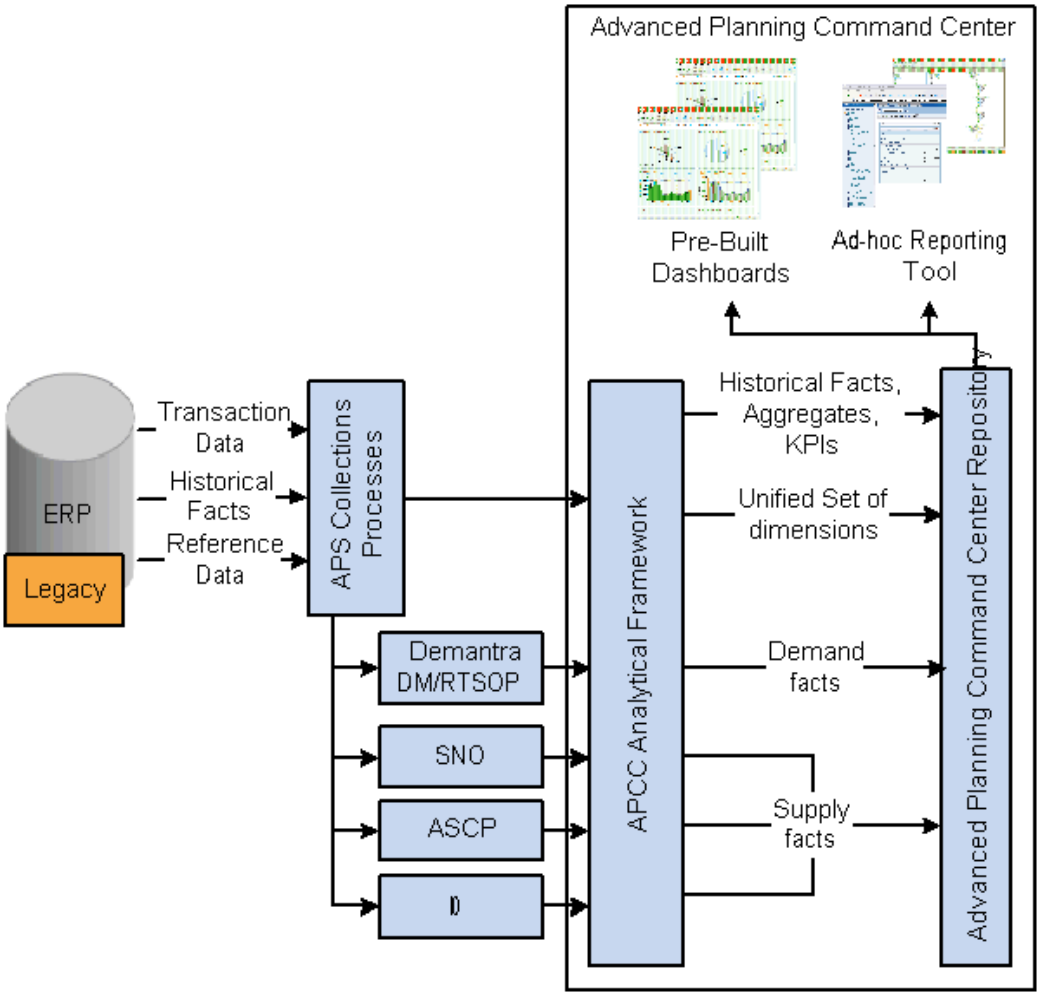
This chapter covers the following topics:

- Understanding the Advanced Planning Command Center Analytical Framework
- Roles
- The Dimension Model
- Measures
- Dashboards
- Archiving Plans and Scenarios
- Setting up Profile Options

Understanding the Advanced Planning Command Center Analytical Framework

The Advanced Planning Command Center (APCC) is designed to be the single repository of all planning data generated by multiple Advanced Planning applications. This planning data is the collection of all planning facts and dimensions. It is organized into several functional groups at an aggregate level so that users can analyze key metrics. This enables the user to quickly identify problem areas in any planning scenario and drill to the cause of the problem.

This diagram illustrates the overall architecture of the Advanced Planning Command Center's analytical framework:



The analytical framework provides this functionality:

- It cleanses the data so that all facts have a common set of conforming dimensions.
- It pre-builds aggregates on most of the facts to enable fast and easy reporting.
- It extracts, transforms, and loads the facts into the repository.
- It archives different versions of each measure for trend comparison.
- It combines different facts into composite metrics, or ratios, that are available for users.

The analytical framework delivers the metadata on all the facts, dimensional hierarchies, and the inter-relationships using the Oracle Business Intelligence - Enterprise Edition (OBI-EE) format. This format is saved as an .rpd file. System administrators can use the OBI-EE administration tool, which is not part of this application, to:

- View or modify the metadata.
- Enhance or customize the facts, calculations, and so on.
- Create new facts based on custom data.

Please refer to the most current version of the Oracle Business Intelligence Server Administration Guide for more information on how to use this tool.

> **Important:** Please contact Oracle Support before using the OBI-EE Administrator tool and making any changes to the APCC metadata. Some changes may not be supported during subsequent upgrades.

The analytical framework is designed to answer top business questions such as, "What is the overall impact of a new product launch, by my competitor, on my supply chain?" The analytical framework provides model data from Demand Management and Strategic Network Optimization (SNO) to answer these operational questions in a specific functional area:

Operational Question	Functional Area
Are my inventory levels at the right location, for the right products, within the required levels, and are they stable?	Inventory Analysis
How efficient is my supply chain in minimizing costs and maximizing profits?	Supply Chain Costs
How efficient is the utilization of my manufacturing capacity?	Manufacturing Efficiency

Advanced Planning Applications

The applications that contribute to the APCC planning facts are:

- Advanced Supply Chain Planning (ASCP).
- Inventory Optimization (IO).
- Distribution Requirements Planning (DRP).
- Strategic Network Optimization (SNO).
- Demantra Demand Management.

- Demantra Real-Time Sales and Operations Planning.

Advanced Planning Command Center Objectives

The primary objectives of the APCC application are:

- To provide a consolidated view of all planning-related data.
- To enable a holistic view of the planning problem.

  Not just demand-focused or supply-focused.
- To enable an analytical platform to compare all key metrics together such as financial, sales, manufacturing, and so on.
- To enable a unified user interface that provides the ability to drill into individual applications for detailed analysis.
- To bring together all stakeholders, which enables fast reconciliation of conflicting business priorities.

Advanced Planning Command Center Features

The key features of the APCC application are:

- A single repository of all data across all planning applications.
- A unified dimension model that is harmonized for all metrics.
- A rich collection of more than 200 metrics and more than 20 dimension hierarchies.
- Real-time data aggregation, currency conversions, and calculated KPIs.
- Role-specific, prebuilt dashboards that can be customized at the user-level.
- Analysis of multiple scenarios in parallel for what-if simulation.
- Plan archival, which lets users analyze the trends of key metrics in a plan.
- Interactive graphs and pivot tables that can be exported to Microsoft Excel or Adobe Acrobat.

The Analytical Framework

The analytical framework is based on these building blocks:

- Roles.

- Subject areas.
- Dashboards.
- Measures or facts.
- Dimensions and hierarchies.

Each user role has direct access to one dashboard that is available by default. This dashboard is customized with the appropriate analytical content and the primary measures that the role would want to analyze. From the dashboard, users can navigate to multiple areas based on their needs.

Each page in the dashboard contains a set of metrics that analyze a functional area such as inventory analysis.

Dashboards contain all primary measures from a set of work areas and are specific to a user role. For example, the dashboard for an inventory analyst contains primary measures from work areas such as inventory analysis, supply chain costs, and profitability.

The dashboards can be customized at a user level. For example, a vice president of supply chain can have a dashboard consisting of analytical work areas with different levels of aggregation, while a supply chain analysts' dashboard can have more detailed data that is needed for detailed analysis.

Roles

When logging into the Oracle E-Business Suite (EBS) application, the user can quickly navigate to one of the two seeded dashboards, using the seeded role responsibility.

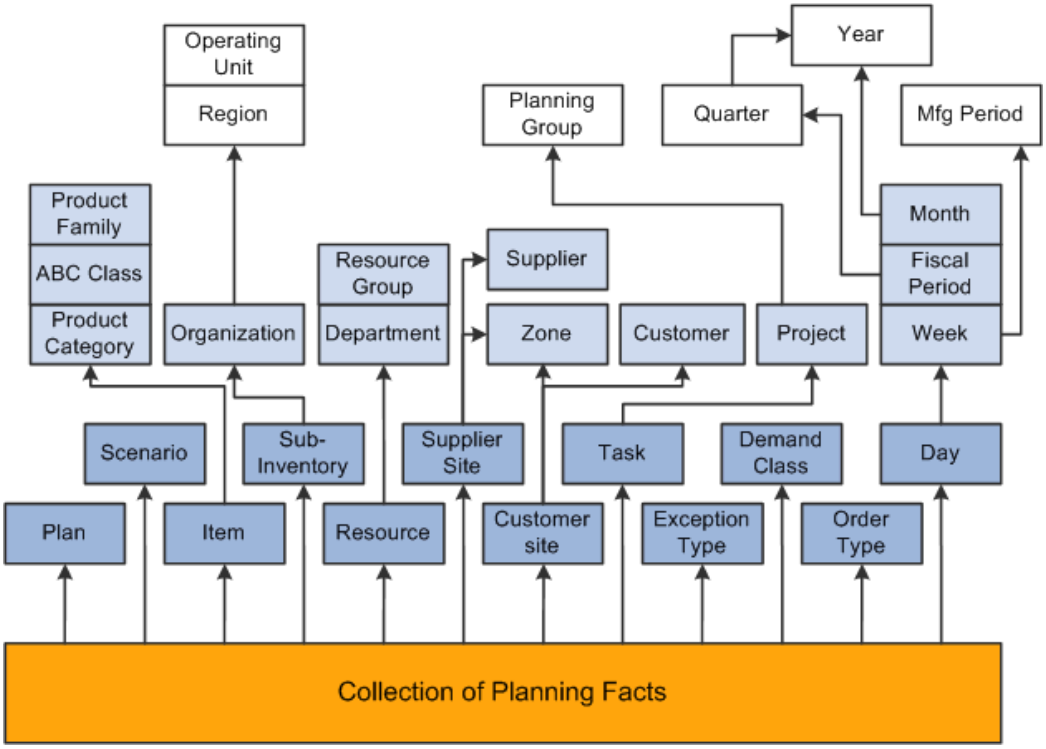
This table lists the seeded role or responsibility and the associated dashboard:

Role or Responsibility	Dashboard
Sales and Operations Planning Analyst	Sales and Operations Planning Dashboard
Supply Chain Analyst	Supply Chain Analyst Dashboard

The Dimension Model

The APCC analytical framework uses a set of common conforming dimensions that are related to the relevant facts.

This diagram illustrates the dimension model that is used to drill into primary and secondary measures:



Note: Each fact or measure supports only a subset of these dimensions.

Measures

Measures are grouped into functional areas in order to keep them organized.

The functional areas are:

- Inventory Analysis.
- Overall Plan Health.
- Supply Chain Costs and Profitability.
- Replenishment Planning.
- Demand Satisfaction.
- Manufacturing Efficiency.
- Sourcing Efficiency.
- Forecasting.

- Network Design.

The Inventory Analysis Functional Area

This table lists the primary measures of the Inventory Analysis functional area:

Measure	Description	Conforming Dimensions	Aggregate Rules
Projected available balance - value (functional currency)	Projected Available Balance value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last
Projected available balance - value in IO plan (functional currency)	Projected Available Balance value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last
Projected available balance - value (reporting currency)	Projected Available Balance value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last
Projected available balance - value in IO plan (reporting currency)	Projected Available Balance value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last
Projected available balance - units	Projected Available Balance - quantity	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last
Projected available balance - units in IO plan	Projected Available Balance - quantity	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last

Measure	Description	Conforming Dimensions	Aggregate Rules
Projected available balance - days of cover	Ratio (percentage) of Projected Available Balance (quantity) to average demand in the plan	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last
Projected available balance - days of cover in IO plan	Ratio (percentage) of Projected Available Balance (quantity) to average demand in the plan	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last
Projected available balance - % of total demand	Ratio (percentage) of Projected Available Balance (quantity) to total demand in the plan	Scenario, Plan, Organization, Item, Time	All dimensions except time = not applicable Time dimension = not applicable
Projected available balance - % of total demand in IO plan	Ratio (percentage) of Projected Available Balance (quantity) to total demand in the plan	Scenario, Plan, Organization, Item, Time	All dimensions except time = not applicable Time dimension = not applicable
Carrying Cost – value (functional currency)	Carrying cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Carrying Cost – value in IO plan (functional currency)	Carrying cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Carrying Cost – value (reporting currency)	Carrying cost value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Carrying Cost – value in IO plan (reporting currency)	Carrying cost value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Supplies pegged to excess	The quantity of supplies pegged to excess demand	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Stock outs	Number of times projected available balance is expected to be negative	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Projected available balance - % of safety stock	Projected Available Balance - quantity measured as percentage of required safety stock.	Scenario, Plan, Organization, Item, Time	All dimensions except time = not applicable Time dimension = not applicable
Projected available balance - % of safety stock in IO plan	Projected Available Balance - quantity measured as percentage of required safety stock.	Scenario, Plan, Organization, Item, Time	All dimensions except time = not applicable Time dimension = not applicable
Fill rate	Fill rate of the end demands based on quantity satisfied on time (for ASCP, SRP, DRP, SNO plans)	Scenario, Plan, Organization, Item, Time, Customer, Demand class	All dimensions except time = Avg Time dimension = Avg
Service level	Service Level (achieved) based on quantity satisfied on time (only in case of IO plans)	Scenario, Plan, Organization, Item, Time, Customer, Demand class	All dimensions except time = Avg Time dimension = Avg

Measure	Description	Conforming Dimensions	Aggregate Rules
Inventory turns	Ratio of annualized cost of goods sold to average projected available balance	Scenario, Plan, Organization, Item, Time	All dimensions except time = Avg Time dimension = Avg
Inventory turns in IO plan	Ratio of annualized cost of goods sold to average projected available balance	Scenario, Plan, Organization, Item, Time	All dimensions except time = Avg Time dimension = Avg
Total Supply	Sum of all supplies	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Total Demand	Sum of all demands	Scenario, Plan, Organization, Item, Time, Customer	All dimensions except time = Sum Time dimension = Sum
Planned Orders	Recommended planned order quantity	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Scheduled Receipts	Scheduled Receipt quantity from current open supplies	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
On hand	Beginning on hand	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
On hand in IO plan	Beginning on hand	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Minimum Inventory Level	Minimum inventory level	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last
Maximum Inventory Level	Maximum inventory level	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last
Safety stock	Safety stock quantity	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last
Safety stock in IO plan	Safety stock quantity	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last
Order Quantity	Order quantity	Scenario, Plan, Organization, Item, Time, Priority, Customer, Supplier, Ship method, Demand class, Order type, Project	All dimensions except time = Sum Time dimension = Sum
Order Quantity in IO plan	Order quantity	Scenario, Plan, Organization, Item, Time, Priority, Customer, Supplier, Ship method, Demand class, Order type, Project	All dimensions except time = Sum Time dimension = Sum

The Overall Plan Health Functional Area

This table lists the primary measures of the Overall Plan Health functional area:

Measure	Description	Conforming Dimensions	Aggregate Rules
Exceptions - Count	Exceptions - Count	Scenario, Plan, Organization, Item, Resource, Time, Customer, Supplier, Exception Type, Project	All dimensions except time = Sum Time dimension = Sum
Exceptions - Value (functional currency)	Exceptions - Value in functional currency	Scenario, Plan, Organization, Item, Resource, Time, Customer, Supplier, Exception Type, Project	All dimensions except time = Sum Time dimension = Sum
Exceptions - Value (reporting currency)	Exceptions - Value in reporting currency	Scenario, Plan, Organization, Item, Resource, Time, Customer, Supplier, Exception Type, Project	All dimensions except time = Sum Time dimension = Sum
Exceptions - Days	Exceptions - Days	Scenario, Plan, Organization, Item, Resource, Time, Customer, Supplier, Exception Type, Project	All dimensions except time = Sum Time dimension = Sum
Exceptions - Quantity	Exceptions - Quantity	Scenario, Plan, Organization, Item, Resource, Time, Customer, Supplier, Exception Type, Project	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Exceptions - Ratio	Exceptions - Quantity	Scenario, Plan, Organization, Item, Resource, Time, Customer, Supplier, Exception Type, Project	All dimensions except time = Avg Time dimension = Avg
Safety Stock violations	Number of times the inventory fell below safety stock	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Use Alternate Sources (count)	Number of times alternate sources were recommended	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Use Alternate Suppliers (count)	Number of times alternate suppliers were recommended	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Planned Orders within Planning Time Fence	Number of planned orders within the planning time fence	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Planned Orders exceeding Order Modifiers	Number of planned orders with quantity more than order modifier quantity	Scenario, Plan, Organization, Item, Time, Supplier, Project	All dimensions except time = Sum Time dimension = Sum
Planned Orders created before work orders	Number of planned orders created before an existing work order	Scenario, Plan, Organization, Item, Time, Supplier, Project	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Planned Orders	Planned order quantity	Scenario, Plan, Organization, Item, Resource, Time	All dimensions except time = Sum Time dimension = Sum
Independent Dem Qty	End demand quantity	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Dependent Dem Qty	Intermediate demand quantity	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Items with no activity	Number of items with no activity	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Avg Qty of supply pegged to highest priority dem	Avg Qty of supply pegged to highest priority dem	Scenario, Plan, Organization, Item	All dimensions except time = Sum Time dimension = Sum
Late Demand Satisfaction factor	Demand lateness measured as quantity of end demands unmet on due date times the number of days late	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = Sum Time dimension = Sum
Production to plan	Percentage of actual production to planned production	Scenario, Plan, Organization, Item, Time	All dimensions except time = not applicable Time dimension = not applicable

Measure	Description	Conforming Dimensions	Aggregate Rules
Shipments to plan	Percentage of actual shipments to planned shipments	Scenario, Plan, Organization, Item, Time	All dimensions except time = not applicable Time dimension = not applicable

The Supply Chain Costs and Profitability Functional Area

This table lists the primary measures of the Supply Chain Costs and Profitability functional area:

Measure	Description	Conforming Dimensions	Aggregate Rules
Revenues (functional currency)	Revenues (in functional currency)	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Revenues (functional currency) in IO plan	Revenues (in functional currency)	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Revenues (reporting currency)	Revenues (in reporting currency)	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Revenues (reporting currency) in IO plan	Revenues (in reporting currency)	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Revenues (functional currency) - Cum	Cumulative Revenues (in functional currency)	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Revenues (functional currency) in IO plan - Cum	Cumulative Revenues (in functional currency)	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Revenues (reporting currency) - Cum	Cumulative Revenues (in reporting currency)	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Revenues (reporting currency) in IO plan - Cum	Cumulative Revenues (in reporting currency)	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Gross Margin %	Gross margin (percentage)	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Gross Margin % in IO plan	Gross margin (percentage)	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Cum Gross Margin %	Cumulative Gross margin (percentage)	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Cum Gross Margin % in IO plan	Cumulative Gross margin (percentage)	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Gross Margin (functional currency)	Gross margin in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Gross Margin (functional currency) in IO plan	Gross margin in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Gross Margin (reporting currency)	Gross margin in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Gross Margin (reporting currency) in IO plan	Gross margin in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Gross Margin (functional currency) - Cum	Cumulative Gross margin in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Gross Margin (functional currency) in IO plan - Cum	Cumulative Gross margin in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Gross Margin (reporting currency) - Cum	Cumulative Gross margin in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Gross Margin (reporting currency) in IO plan - Cum	Cumulative Gross margin in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = not applicable Time dimension = not applicable
Sales / Avg Inventory value	Ratio of actual sales to average inventory value	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Total Supply Chain costs (functional currency)	Sum of manufacturing, purchasing, transportation and carrying costs in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Total Supply Chain costs in IO plan (functional currency)	Sum of manufacturing, purchasing, transportation and carrying costs in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Total Supply Chain costs (reporting currency)	Sum of manufacturing, purchasing, transportation and carrying costs in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Total Supply Chain costs in IO plan (reporting currency)	Sum of manufacturing, purchasing, transportation and carrying costs in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Total Supply Chain costs (functional currency) - cum	Cumulative Sum of manufacturing, purchasing, transportation and carrying costs in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Total Supply Chain costs in IO plan (functional currency) - cum	Cumulative Sum of manufacturing, purchasing, transportation and carrying costs in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Total Supply Chain costs (reporting currency) - Cum	Cumulative Sum of manufacturing, purchasing, transportation and carrying costs in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Total Supply Chain costs in IO plan (reporting currency) - Cum	Cumulative Sum of manufacturing, purchasing, transportation and carrying costs in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Total Supply Chain costs - % of revenue	Total Supply Chain costs - % of revenue	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Total Supply Chain costs - % of revenue in IO plan	Total Supply Chain costs - % of revenue in IO plan	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Carrying Cost (functional currency)	Carrying cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Carrying Cost (functional currency) in IO plan	Carrying cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Carrying Cost (reporting currency)	Carrying cost value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Carrying Cost (reporting currency) in IO plan	Carrying cost value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Carrying Cost (functional currency) - Cum	Cumulative Carrying cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Carrying Cost (functional currency) in IO plan - Cum	Cumulative Carrying cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Carrying Cost (reporting currency) - Cum	Cumulative Carrying cost value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Carrying Cost (reporting currency) in IO plan - Cum	Cumulative Carrying cost value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Variance of PAB over mean	Variance of PAB over mean	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Manufacturing cost (functional currency)	Manufacturing cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Manufacturing cost (functional currency) in IO plan	Manufacturing cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Manufacturing cost (reporting currency)	Manufacturing cost value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Manufacturing cost (reporting currency) in IO plan	Manufacturing cost value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Purchasing cost (functional currency)	Purchasing cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Purchasing cost (functional currency) in IO plan	Purchasing cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Purchasing cost (reporting currency)	Purchasing cost value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Purchasing cost (reporting currency) in IO plan	Purchasing cost value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Resource cost in functional currency	Resource cost value in functional currency	Scenario, Plan, Organization, Resource, Time	All dimensions except time = Sum Time dimension = Sum
Resource cost in reporting currency	Resource cost value in reporting currency	Scenario, Plan, Organization, Resource, Time	All dimensions except time = Sum Time dimension = Sum
Transportation cost (functional currency)	Transportation cost value in functional currency	Scenario, Plan, Organization, Item, Time, Ship method	All dimensions except time = Sum Time dimension = Sum
Transportation cost (functional currency) in IO plan	Transportation cost value in functional currency	Scenario, Plan, Organization, Item, Time, Ship method	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Transportation cost (reporting currency)	Transportation cost value in reporting currency	Scenario, Plan, Organization, Item, Time, Ship method	All dimensions except time = Sum Time dimension = Sum
Transportation cost (reporting currency) in IO plan	Transportation cost value in reporting currency	Scenario, Plan, Organization, Item, Time, Ship method	All dimensions except time = Sum Time dimension = Sum
Manufacturing cost (functional currency) - Cum	Cumulative Manufacturing cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Manufacturing cost (functional currency) in IO plan - Cum	Cumulative Manufacturing cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Manufacturing cost (reporting currency) - Cum	Cumulative Manufacturing cost value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Manufacturing cost (reporting currency) in IO plan - Cum	Cumulative Manufacturing cost value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Purchasing cost (functional currency) - Cum	Cumulative Purchasing cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Purchasing cost (functional currency) in IO plan - Cum	Cumulative Purchasing cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Purchasing cost (reporting currency) - Cum	Cumulative Purchasing cost value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Purchasing cost (reporting currency) in IO plan - Cum	Cumulative Purchasing cost value in reporting currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Resource cost in functional currency - Cum	Cumulative Resource cost value in functional currency	Scenario, Plan, Organization, Resource, Time	All dimensions except time = Sum Time dimension = Sum
Resource cost in reporting currency - Cum	Cumulative Resource cost value in reporting currency	Scenario, Plan, Organization, Resource, Time	All dimensions except time = Sum Time dimension = Sum
Transportation cost (functional currency) - Cum	Cumulative Transportation cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Transportation cost (functional currency) in IO plan - Cum	Cumulative Transportation cost value in functional currency	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Transportation cost (reporting currency) - Cum	Transportation cost value in reporting currency	Scenario, Plan, Organization, Item, Time, Ship method	All dimensions except time = Sum Time dimension = Sum
Transportation cost (reporting currency) in IO plan - Cum	Transportation cost value in reporting currency	Scenario, Plan, Organization, Item, Time, Ship method	All dimensions except time = Sum Time dimension = Sum

The Replenishment Planning Functional Area

This table lists the primary measures of the Replenishment Planning functional area:

Measure	Description	Conforming Dimensions	Aggregate Rules
VMI Inventory – value (functional currency)	Projected Available Balance value (in functional currency) of vendor managed items	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last
VMI Inventory – value (reporting currency)	Projected Available Balance value (in reporting currency) of vendor managed items	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last
VMI Inventory - % of total inventory	Ratio (percentage) of projected available balance value in {functional currency} of vendor managed items to the total projected available balance of all items.	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Last

Measure	Description	Conforming Dimensions	Aggregate Rules
VMI items stockout days	Sum of stock out days of vendor managed items	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
VMI items service level	Fill rate of the end demands of vendor managed items based on quantity satisfied on time	Scenario, Plan, Organization, Item, Time, Customer, Demand class	All dimensions except time = Avg Time dimension = Avg

The Demand Satisfaction Functional Area

This table lists the primary measures of the Demand Satisfaction functional area:

Measure	Description	Conforming Dimensions	Aggregate Rules
Late orders ratio (count)	Demand lateness measured as the percentage of number of end demand lines unmet on due date	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = not applicable Time dimension = not applicable
Late Orders ratio (value)	Demand lateness measured as the percentage of value of end demand lines unmet on due date	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = not applicable Time dimension = not applicable
Late Sales Orders (count)	Number of sales order lines that are satisfied late.	Scenario, Plan, Organization, Item, Time, Customer	All dimensions except time = Sum Time dimension = Sum
Late Sales Orders (days)	Number of days late of the sales orders lines that are satisfied late.	Scenario, Plan, Organization, Item, Time, Customer	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Late Sales Orders (value) - functional currency	Value of sales order lines that are satisfied late.	Scenario, Plan, Organization, Item, Time, Customer	All dimensions except time = Sum Time dimension = Sum
Late Sales Orders (value) - reporting currency	Value (in reporting currency) of sales order lines that are satisfied late.	Scenario, Plan, Organization, Item, Time, Customer	All dimensions except time = Sum Time dimension = Sum
Late Forecasts (count)	Number of forecasts that are satisfied late.	Scenario, Plan, Organization, Item, Time, Customer	All dimensions except time = Sum Time dimension = Sum
Target Service Level	Target Service level of the end demands.	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = min Time dimension = min
Target Service Level in IO plan	Target Service level of the end demands.	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = min Time dimension = min
Service Level	Service Level (achieved) based on quantity satisfied on time (only in case of IO plans)	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = not applicable Time dimension = not applicable
Line Fill rate (count)	Fill rate of the end demands measured as a percentage of number of lines at least partially satisfied on time	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = not applicable Time dimension = not applicable

Measure	Description	Conforming Dimensions	Aggregate Rules
Perfect Order Index	Fill rate of the end demands measured as a multiple of two factors - percentage of end demands met on time (even partial quantity) and percentage of end demands met in full quantity (even late)	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = Sum Time dimension = Sum
Unmet Demand history	Unmet Demand quantity for the past	Scenario, Plan, Organization, Item, Time, Priority, Customer	All dimensions except time = Sum Time dimension = Sum
Unmet Demand	Unmet Demand quantity - projected	Scenario, Plan, Organization, Item, Time, Priority, Customer	All dimensions except time = Sum Time dimension = Sum
Unmet Revenue (functional currency)	Value of sales orders not satisfied by due date (in functional currency)	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = Sum Time dimension = Sum
Unmet Revenue (functional currency) in IO plan	Value of sales orders not satisfied by due date (in functional currency)	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = Sum Time dimension = Sum
Unmet Revenue (reporting currency)	Value of sales orders not satisfied by due date (in reporting currency)	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Unmet Revenue (reporting currency) in IO plan	Value of sales orders not satisfied by due date (in reporting currency)	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = Sum Time dimension = Sum
Past Due Backlog quantity	Backlog of unmet sales orders measured as quantity requested less quantity satisfied (cumulative)	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = Sum Time dimension = Sum
Sales Orders scheduled within request date (% of total)	Percentage of number of sales orders scheduled within requested date.	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = Sum Time dimension = Sum
Sales Orders beyond acceptable date (%)	Percentage of number of sales orders scheduled beyond acceptable date	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class	All dimensions except time = Sum Time dimension = Sum

The Manufacturing Efficiency Functional Area

This table lists the primary measures of the Manufacturing Efficiency functional area:

Measure	Description	Conforming Dimensions	Aggregate Rules
Resource availability	Resource availability measured as resource hours x capacity units	Scenario, Plan, Organization, Resource, Time	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Resource requirements	Resource requirements measured as required hours x assigned units	Scenario, Plan, Organization, Resource, Time	All dimensions except time = Sum Time dimension = Sum
Net Resource Availability	Net Resource availability after meeting the requirements	Scenario, Plan, Organization, Resource, Time	All dimensions except time = Sum Time dimension = Sum
Cum Net Resource Availability	Cum Net Resource availability till date	Scenario, Plan, Organization, Resource, Time	All dimensions except time = Sum Time dimension = Last
Resource utilization %	Resource utilization as a ratio (percentage) of resource requirements to resource availability	Scenario, Plan, Organization, Resource, Time	All dimensions except time = not applicable Time dimension = not applicable
Resource Overloaded (ratio)	The average load ratio for the overloaded resources	Scenario, Plan, Organization, Item, Resource, Time	All dimensions except time = Avg Time dimension = Avg
Production plan	Quantity of make orders that are due in this bucket.	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
WIP start quantity	Quantity of make orders that start in this bucket.	Scenario, Plan, Organization, Item, Time	All dimensions except time = Avg Time dimension = Avg

Measure	Description	Conforming Dimensions	Aggregate Rules
Avg make order qty - % of Avg daily demand	Make order frequency - measured as a ratio (percentage) average make order quantity to the average daily demand in the plan	Scenario, Plan, Organization, Item, Time	All dimensions except time = Avg Time dimension = Avg
Setup time - % of total hours	Ratio (percentage) of setup resource hours to the total resource requirements	Scenario, Plan, Organization, Resource, Time	All dimensions except time = Avg Time dimension = Avg
Cycle time	Average cycle time taken per order	Scenario, Plan, Organization, Item, Resource, Time	All dimensions except time = Avg Time dimension = Avg
Throughput rate	Average quantity per hour	Scenario, Plan, Organization, Item, Resource, Time	All dimensions except time = Avg Time dimension = Avg
Planned mfg lead time (% of estimate)	Average planned lead time as percentage of estimated lead time	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum

The Sourcing Efficiency Functional Area

This table lists the primary measures of the Sourcing Efficiency functional area:

Measure	Description	Conforming Dimensions	Aggregate Rules
PO reschedules - % of total POs	Number of purchase orders rescheduled as a percentage of the total purchase orders	Scenario, Plan, Organization, Item, Time, Supplier	All dimensions except time = Sum Time dimension = Sum
Rescheduled Orders (days)	Total days of all Purchase orders, work orders that are recommended to be rescheduled	Scenario, Plan, Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
PO cancellations - % of total POs	Number of purchase orders cancelled as a percentage of the total purchase orders	Scenario, Plan, Organization, Item, Time, Supplier	All dimensions except time = Sum Time dimension = Sum
Supplier spend (functional currency)	New buy order value in functional currency	Scenario, Plan, Organization, Item, Time, Supplier	All dimensions except time = Sum Time dimension = Sum
Supplier spend (reporting currency)	New buy order value in reporting currency	Scenario, Plan, Organization, Item, Time, Supplier	All dimensions except time = Sum Time dimension = Sum
Total buy orders – count	Number of new buy orders	Scenario, Plan, Organization, Item, Time, Supplier	All dimensions except time = Sum Time dimension = Sum
Supply volume	Order Quantity of all buy and transfer orders	Scenario, Plan, Organization, Item, Time, Supplier, Source	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Supplier Capacity Available	Supplier Capacity available (gross) in units	Scenario, Plan, Organization, Item, Time, Supplier	All dimensions except time = Sum Time dimension = Sum
Supplier Capacity Required	Supplier Capacity required in units	Scenario, Plan, Organization, Item, Time, Supplier	All dimensions except time = Sum Time dimension = Sum
Supplier capacity net available (cum)	Supplier Capacity available (net) in units	Scenario, Plan, Organization, Item, Time, Supplier	All dimensions except time = Sum Time dimension = First
Supplier capacity utilization %	Ratio (percentage) of supplier capacity required to availability	Scenario, Plan, Organization, Item, Time, Supplier	All dimensions except time = Avg Time dimension = Avg
Buys from a non-rank - 1 supplier (%)	Number of new buy orders placed on a non-rank - 1 supplier as a percentage of total new buy orders	Scenario, Plan, Organization, Item, Time, Supplier	All dimensions except time = not applicable Time dimension = not applicable
Avg buy order qty - % of Avg daily demand	Average new buy order quantity as a percentage of average daily demand	Scenario, Plan, Organization, Item, Time, Supplier	All dimensions except time = Avg Time dimension = Avg
Count of items single sourced	count of items single sourced	Scenario, Plan, Organization, Item, Time, Supplier	All dimensions except time = Avg Time dimension = Avg

The Forecasting Functional Area

This table lists the primary measures of the Forecasting functional area:

Measure	Description	Conforming Dimension	Aggregate Rules
Forecast accuracy %	Forecast Accuracy percentage	not applicable	not applicable
Demand priority	Demand Priority	not applicable	not applicable
Consensus forecast	Consensus forecast quantity	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Consensus forecast - value (functional currency)	Consensus forecast value in functional currency	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Consensus forecast - value (reporting currency)	Consensus forecast value in reporting currency	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Consensus forecast - cum	Cumulative consensus forecast quantity	Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = not applicable Time dimension = not applicable
Sales Forecast	Sales forecast quantity	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimension	Aggregate Rules
Sales Forecast - value (functional currency)	Sales forecast value in {functional currency}	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Sales Forecast - value (reporting currency)	Sales forecast value in reporting currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Sales forecast - cum	Cumulative sales forecast quantity	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = not applicable Time dimension = not applicable
Marketing Forecast	Marketing forecast quantity	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Marketing Forecast - value (functional currency)	Marketing forecast value in functional currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Marketing Forecast - value (reporting currency)	Marketing forecast value in reporting currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Marketing forecast - cum	Cumulative marketing forecast quantity	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = not applicable Time dimension = not applicable

Measure	Description	Conforming Dimension	Aggregate Rules
Budget (functional currency)	Budget value in functional currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Budget (reporting currency)	Budget value in reporting currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Budget (functional currency) - Cum	Cumulative Budget value in functional currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Budget (reporting currency) - Cum	Cumulative Budget value in reporting currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Bookings forecast	Bookings forecast quantity	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Bookings forecast - value (functional currency)	Bookings forecast value in functional currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Bookings forecast - value (reporting currency)	Bookings forecast value in reporting currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimension	Aggregate Rules
Final forecast	Final forecast quantity	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Final forecast - value (functional currency)	Final forecast value in functional currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Final forecast - value (reporting currency)	Final forecast value in reporting currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Final forecast - cum	Cumulative final forecast quantity	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = not applicable Time dimension = not applicable
Bookings forecast - accuracy %	Booking forecast accuracy as a percentage	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Avg Time dimension = Avg
Bookings forecast - cum	Cumulative booking forecast quantity	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = not applicable Time dimension = not applicable
Shipment forecast	Shipment forecast quantity	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimension	Aggregate Rules
Shipment forecast - value (functional currency)	Shipment forecast value in functional currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Shipment forecast - value (reporting currency)	Shipment forecast value in reporting currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Shipment forecast accuracy %	Shipment forecast accuracy as a percentage	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Avg Time dimension = Avg
Shipment forecast - cum	Cumulative shipment forecast quantity	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = not applicable Time dimension = not applicable
Projected Backlog	Projected backlog quantity measured as difference between shipments and bookings forecasts	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Actual Backlog	Actual backlog quantity measured as difference between actual shipments and bookings	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Backlog	Sum of actual backlog and the projected backlog	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimension	Aggregate Rules
Production history	Actual Production history quantity	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Shipment history	Shipment history quantity	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Shipment history - value (functional currency)	Shipment history value in functional currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Shipment history - value (reporting currency)	Shipment history value in reporting currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Bookings history	Booking history quantity	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Attained Bookings %	Attained Bookings as a percentage of Consensus forecast	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Bookings history - value (functional currency)	Booking history value in functional currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimension	Aggregate Rules
Bookings history - value (reporting currency)	Booking history value in reporting currency	Organization, Item, Time, Priority, Customer, Demand class, Order Type	All dimensions except time = Sum Time dimension = Sum
Consensus Forecast accuracy - MAPE - 4 week	Consensus forecast accuracy measured as Mean Absolute Percentage Error (MAPE) over 4 weeks	Scenario, Plan Organization, Item, Time, Customer, Demand class	All dimensions except time = Avg Time dimension = Avg
Consensus Forecast accuracy - MAPE - 8 week	Consensus forecast accuracy measured as Mean Absolute Percentage Error (MAPE) over 8 weeks	Scenario, Plan Organization, Item, Time, Customer, Demand class	All dimensions except time = Avg Time dimension = Avg
Consensus Forecast accuracy - MAPE - 13 week	Consensus forecast accuracy measured as Mean Absolute Percentage Error (MAPE) over 13 weeks	Scenario, Plan Organization, Item, Time, Customer, Demand class	All dimensions except time = Avg Time dimension = Avg

The Network Design Functional Area

This table lists the primary measures of the Network Design functional area:

Measure	Description	Conforming Dimensions	Aggregate Rules
Net Demand	Net effective demand measured as maximum of actual sales order quantity or forecast quantity	Scenario, Plan Organization, Item, Time, Customer	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Constrained Forecast	Constrained or satisfied forecast quantity	Scenario, Plan Organization, Item, Time, Customer	All dimensions except time = Sum Time dimension = Sum
Constrained Forecast - value (functional currency)	Constrained or satisfied forecast value in functional currency	Scenario, Plan Organization, Item, Time, Customer	All dimensions except time = Sum Time dimension = Sum
Constrained Forecast - value (reporting currency)	Constrained or satisfied forecast value in reporting currency	Scenario, Plan Organization, Item, Time, Customer	All dimensions except time = Sum Time dimension = Sum
Constrained Forecast - cum	Cumulative constrained or satisfied forecast quantity	Scenario, Plan Organization, Item, Time, Customer	All dimensions except time = not applicable Time dimension = not applicable
Constrained Forecast - Cum value (functional currency)	Cumulative Constrained or satisfied forecast value in functional currency	Scenario, Plan Organization, Item, Time, Customer	All dimensions except time = Cum Time dimension = Cum
Constrained Forecast - Cum value (reporting currency)	Cumulative Constrained or satisfied forecast value in reporting currency	Scenario, Plan Organization, Item, Time, Customer	All dimensions except time = Cum Time dimension = Cum
Budget Shortfall - functional currency	Shortfall from Budget based on constrained forecast	Scenario, Plan Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum

Measure	Description	Conforming Dimensions	Aggregate Rules
Budget Shortfall - reporting currency	Shortfall from Budget based on constrained forecast	Scenario, Plan Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Budget Shortfall %	Percent Shortfall from Budget based on constrained forecast	Scenario, Plan Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Inventory Build Target	Target Inventory quantity	Scenario, Plan Organization, Item, Time	All dimensions except time = Sum Time dimension = Last
Manufacturing forecast	Intermediate forecast demand including component demand and inter-organization transfer demand	Scenario, Plan Organization, Item, Time	All dimensions except time = Sum Time dimension = Sum
Fill rate	Fill rate of the end demands based on quantity satisfied on time	Scenario, Plan Organization, Item, Time	All dimensions except time = not applicable Time dimension = not applicable

Dashboards

Dashboards are designed for specific user roles. Each role has a predefined, customized dashboard that has the appropriate content and the appropriate dimension levels.

Each dashboard consists of related pages in a tab format. Each page corresponds to a single functional area such as inventory, manufacturing, sourcing, and so on. Each page has several reports. Each report reflects one or more measures with different dimensions that a user can analyze.

In addition to page level filters, some reports have report filters. Examples of report filters are: View, Measure, and so on.

Some reports provide a legend that displays the color used for the measure.

When placing your mouse pointer over a bar or line node, a tool tip appears with the value.

When using a left-mouse click on a linked value or measure, a menu displays all the secondary, drill-down reports that are available. Secondary, drill-down reports provide additional, detailed analysis for the selected measure.

Archiving Plans and Scenarios

The APCC analytical framework supports archiving planning scenarios and the plans.

A planning scenario is a collection of related plans that constitute a specific business condition.

Archiving scenarios archives all plans within the scenario. Archiving a plan is a snapshot of subset of the plan output that includes summary data, key performance metrics, and so on. Archiving a plan is not a snapshot of the entire plan output.

Each plan can be archived multiple times, resulting in multiple plan versions. A version is a snapshot of that plan at that point in time. It can be used later as a baseline for comparison to a later plan run. This comparison gives the planner an immediate feedback of the health of a plan over time.

Each version is labeled <plan name> - <archived date><sequence number>.

The label for the current version is <plan name> - Current.

The method in which a user invokes the archive option depends on whether it is for a composite scenario or for a specific plan. It also depends on the plan type.

Archiving a complete scenario, and all its associated plans, can be performed from the Scenario page. When a scenario is archived all plans that are associated to that scenario are also archived. This includes Demand Management, ASCP, and IO plans.

ASCP and IO plans can be individually archived from their respective applications. The plan launch program in the Planner workbench has an option called Archive current version of plan summary. The defaulted value of this option is No. If this option has a Yes value before launching the plan, then the system creates an archived version of the current plan output before it runs and generates the plan output. If this option has a No value before launching the plan, then the plan summary is always overwritten with the latest run and the results are always for the current version.

For SNO facts the application has a publish option called Publish to Dashboard (APCC). This option publishes the SNO facts to the APCC repository and automatically creates an archived version of each published plan or scenario.

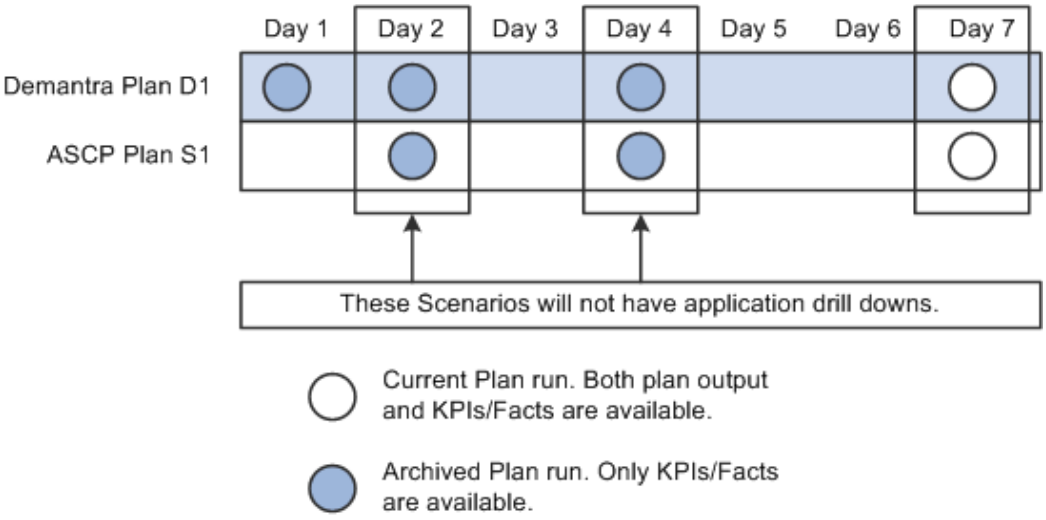
Archived plans are purged whenever the overall scenario is purged. Also, the Purge Plan process in ASCP and IO purges the plan and all of its archives, or versions, in the APCC repository.

For additional information of planning scenarios, see Understanding Scenario Planning, page 2-1.

Example – Trend Analysis

This example uses a scenario containing a Demantra forecast, or plan, which feeds an ASCP supply plan.

This diagram illustrates the Demantra Plan D1 and the ASCP Plan S1 being archived on multiple days, which enables a user to compare the versions of the plans:



The plans were archived on dates shown in the diagram. Therefore the archived versions that are available in the APCC repository are named:

Demantra Plan	Supply Plan
D1 (Day1)(1)	S1 (Day2)(1)
D1 (Day2)(2)	S1 (Day4)(2)
D1 (Day4)(3)	S1 (Day7)(3)
D1 (Day7)(4)	

These versions are available to the users in the dashboards. They are available for analysis on several what-if simulations depending on the assumptions that were made in each of the plan runs.

For example, the supply chain analyst can select the three S1 versions in the Comparison Plans field, within the Supply Chain Analyst Dashboard, and any version as baseline in the Baseline Plan field. This enables the user to analyze the exceptions, inventory levels, and so on over the different plan runs.

Although there is no limit on the number of versions that a plan can have, it is expected that a periodic maintenance and a purge are performed to eliminate unnecessary

volume in the repository tables. This provides maximum performance from the framework.

Setting up Profile Options

The analytical framework and the related dashboards use profiles. These profiles must be set up so that the repository has the right facts and dimensions.

This table lists the profile options and provides information about each option:

Profile Option Name	Level	Valid values	Default	Description
MSC: APCC Calendar Code	Site	All Calendar codes	None	The analytical layer and the dashboards that display the time hierarchy of manufacturing days, weeks, and periods use this. It is expected that this has the same value as the MSC: Bucketing Calendar profile that is used in the plan runs.
MSC: APCC Period Set name	Site	All BIS (Business Intelligence System) Period set names	None	The analytical layer and the dashboards that display time in the hierarchy of days, fiscal periods, quarters, and year use this.

Profile Option Name	Level	Valid values	Default	Description
MSC: APCC Currency Code	Site	All currency codes	None	The analytical layer to convert the values in functional currency to a common reporting currency uses this. This profile is used as the reporting currency for APCC. Please note that if this profile is changed the plan must be republished to APCC repository to see the data in the new currency.

Profile Option Name	Level	Valid values	Default	Description
MSC: APCC Category Set 1, MSC: APCC Category Set 2, MSC: APCC Category Set 3	Site	All category sets	None	These profiles govern which category set the analytical layer when displaying the item-category hierarchy uses. It precomputes the data for all three hierarchies, but displays the data using only the MSC: APCC Category Set 1 value. Therefore, if the user wants to view using the value in MSC: APCC Category Set 2, the values in these two profiles must be switched. The user can then see the results using the new category set, which is now in the MSC: APCC Category Set 1 profile. There is no need to rerun the plan or republish it to APCC However, if user decides to use a completely new category set, which is not currently in these three profiles, then the

Profile Option Name	Level	Valid values	Default	Description
				profile values must be updated, and the plans must be rerun, or republished, to APCC for the change to take effect.

5

Using the Supply Chain Analyst Dashboard

This chapter covers the following topics:

- Understanding the Supply Chain Analyst Dashboard
- Using the Plan Health Summary Page
- Using the Demand and Supply Page
- Using the Resources Page
- Using the Exceptions Page
- Using the Historical Performance Page
- Using the Scenario Analysis Page
- Supply Chain Analyst Secondary Drill-Down Reports

Understanding the Supply Chain Analyst Dashboard

The Supply Chain Analyst role has access to a predefined dashboard with a selection of different seeded reports. These reports enable the supply chain analyst to perform tasks related to supply chain analysis. The report pages leverage the flexibility of the Oracle Business Intelligence – Enterprise Edition (OBI-EE), which enables the layout and content of the delivered reports to be changed by the user

The reports are organized in logical groupings as pages, or tabs, within the Supply Chain Analyst Dashboard.

For details on how to use the OBI-EE features, see Oracle Business Intelligence Answers, Delivers, and Interactive Dashboards User Guide.

These pages are available for the supply chain analyst:

- Plan Health Summary
- Demand and Supply

- Resources
- Exceptions.
- Historical Performance
- Scenario Analysis
- Glossary

The Glossary page provides:

- Definitions of all measures that are presented in the Supply Chain Analyst Dashboard.
- Information about the logic used to calculate each measure.

Using the Plan Health Summary Page

This section provides an overview of the Plan Health Summary page and discusses:

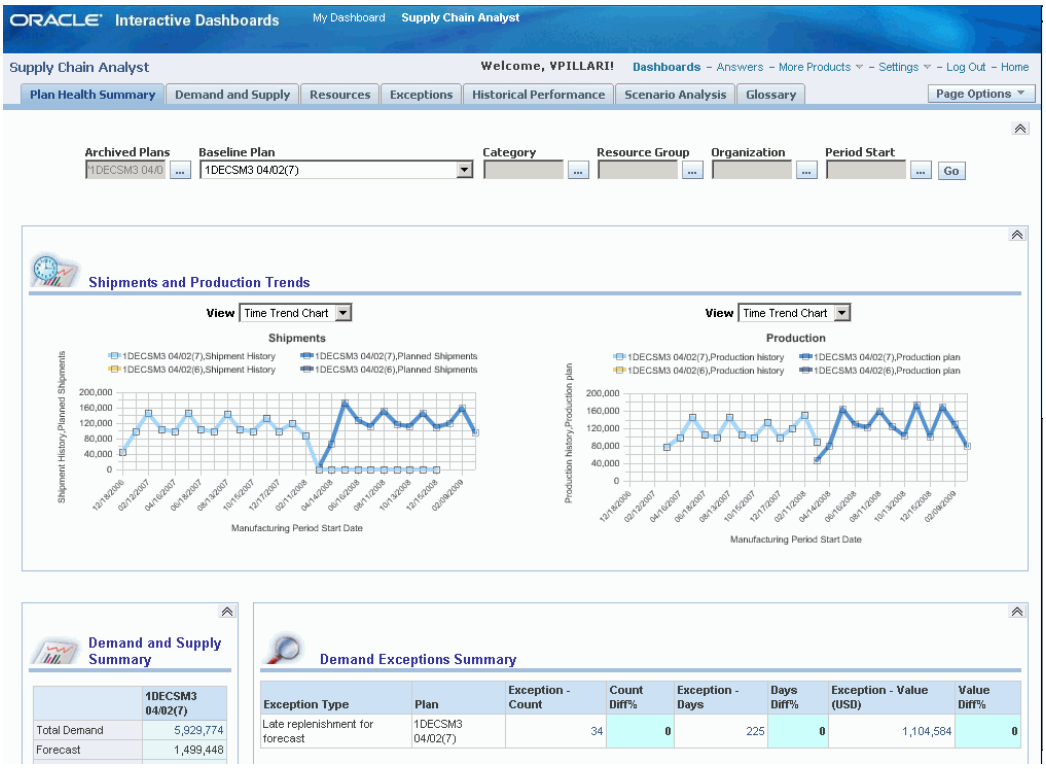
- Page-Level filters
- Shipments and Production Trends
- Demand and Supply Summary
- Resource Summary
- Exception Summary

Understanding the Plan Health Summary Page

The Plan Health Summary page provides a high-level summary of the health of the supply chain plan. It displays primary measures for supply and demand, resources, and exceptions. It also enables the supply chain analyst to compare an archived version of a plan against a current version, or compare two or more plans.

To access the Plan Health Summary page:

1. Select the Supply Chain Analyst responsibility.
2. Select Supply Chain Analyst Dashboard.



Page-Level Filters

Page-level filters are provided at the top of the Plan Health Summary page. Page-Level filters are used to filter the results of the work areas.

This table lists the page-level filters for the Plan Health Summary page:

Filter	Description
Archived Plans	Select from a list of plans from which an archived plan can be selected. Multiple plans can be selected. This is a required field.
Baseline Plan	Select from a list of plans that are to be used as the baseline. Only one plan can be selected. This is a required field.
Category	Select from a list of categories. Multiple categories can be selected. This is an optional field.

Filter	Description
Resource Group	Select from a list of resource groups. Multiple resource groups can be selected. This is an optional field.
Organization	Select from a list of organizations. Multiple organizations can be selected. This is an optional field.
Period Start	Select from a list of date and time selections. A range of date and time can be selected. This is an optional field.

Shipments and Production Trends

The Shipment and Production Trends report enables the user to evaluate:

- How the key supply chain metrics of the plan and actuals compare to past periods?
- What plan trends are projected to be in the future

To view an example of the Shipments and Production Trends report, see Understanding the Plan Health Summary Page, page 5-2

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include **Time Trend Chart** and **Time Trend Table**. The Time Trend Chart view plots the shipment history and planned shipments over time using a line graph. The Time Trend Table view provides the values that correspond to the Time Trend Chart view.

Additional reports that you can be access from the Shipment and Production Trends report are (listed in alphabetical order):

- Days of Cover by Items.

- Days of Cover by Organizations.
- Exception Summary.
- Total Demand by Customers.
- Total Supply by Categories.
- Work In Progress (WIP) Start by Organizations.

Demand and Supply Summary

The Demand and Supply Summary report enables the user to determine how demand and supply differ between a baseline plan and archived plans.

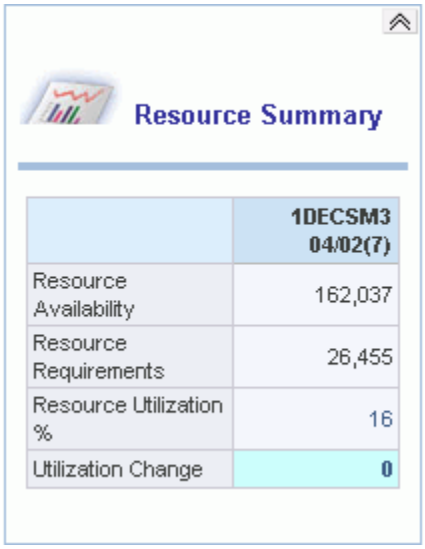
Demand and Supply Summary

	1DECSM3 04/02(7)
Total Demand	5,929,774
Forecast	1,499,448
Sales Orders	
Total Supply	5,960,222
On Hand	66,666
Scheduled Receipts	86,689
Planned Orders	5,806,867
PAB - Days of cover	2
Projected Fill rate	99
Projected Inventory turns	71
Total Demand Difference	**0%**
Total Supply Difference	**0%**

For a list of the additional reports that you can access from the Demand and Supply Summary report, see Demand and Supply Summary, page 5-10

Resource Summary

The Resource Summary report enables the user to determine how resource utilization varies between baseline and archived plans.



Additional reports that you can access from the Resource Summary report are (listed in alphabetical order):

- Exception Summary.
- Least Utilized Resources.
- Most Utilized Resources.
- Resource Utilization by Resource Groups.
- Resource Utilization by Organizations.

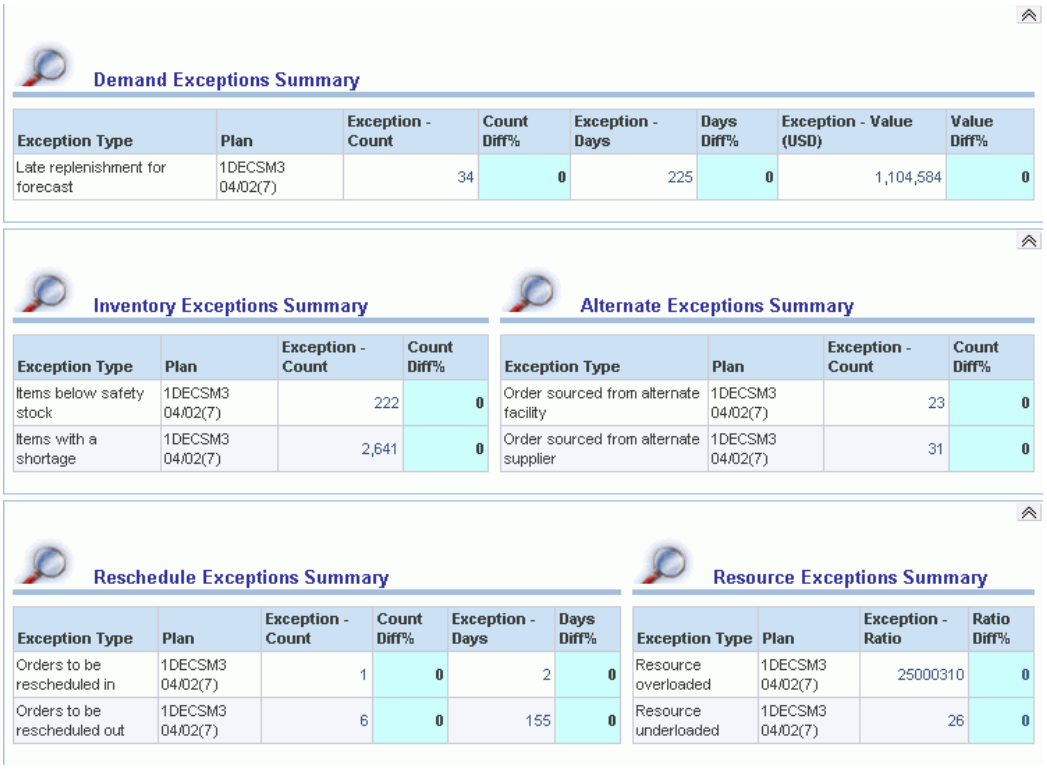
Exception Summary

The Exception Summary report enables the user to:

- View a summary of exceptions in the baseline plan.
- Compare exceptions between baseline and archived plans.

The Exceptions Summary report is detailed into five subreports:

- Demand Exceptions Summary.
- Inventory Exceptions Summary.
- Alternate Exceptions Summary.
- Reschedule Exceptions Summary.
- Resource Exceptions Summary.



Demand Exceptions Summary

Exception Type	Plan	Exception - Count	Count Diff%	Exception - Days	Days Diff%	Exception - Value (USD)	Value Diff%
Late replenishment for forecast	1DECSM3 04/02(7)	34	0	225	0	1,104,584	0

Inventory Exceptions Summary

Exception Type	Plan	Exception - Count	Count Diff%
Items below safety stock	1DECSM3 04/02(7)	222	0
Items with a shortage	1DECSM3 04/02(7)	2,641	0

Alternate Exceptions Summary

Exception Type	Plan	Exception - Count	Count Diff%
Order sourced from alternate facility	1DECSM3 04/02(7)	23	0
Order sourced from alternate supplier	1DECSM3 04/02(7)	31	0

Reschedule Exceptions Summary

Exception Type	Plan	Exception - Count	Count Diff%	Exception - Days	Days Diff%
Orders to be rescheduled in	1DECSM3 04/02(7)	1	0	2	0
Orders to be rescheduled out	1DECSM3 04/02(7)	6	0	155	0

Resource Exceptions Summary

Exception Type	Plan	Exception - Ratio	Ratio Diff%
Resource overloaded	1DECSM3 04/02(7)	25000310	0
Resource underloaded	1DECSM3 04/02(7)	26	0

Additional reports that can be accessed from the Exception Summary report are (listed in alphabetical order):

- Days of Cover by Items.
- Exceptions Trend Over Time.
- Exceptions Type by Category.
- Exceptions Type by Customer.
- Exceptions Type by Items.
- Exceptions Type by Organization.
- Exceptions Type by Supplier.
- Least Utilized Resources.
- Most Utilized Resources.
- Resource Utilization by Organization.

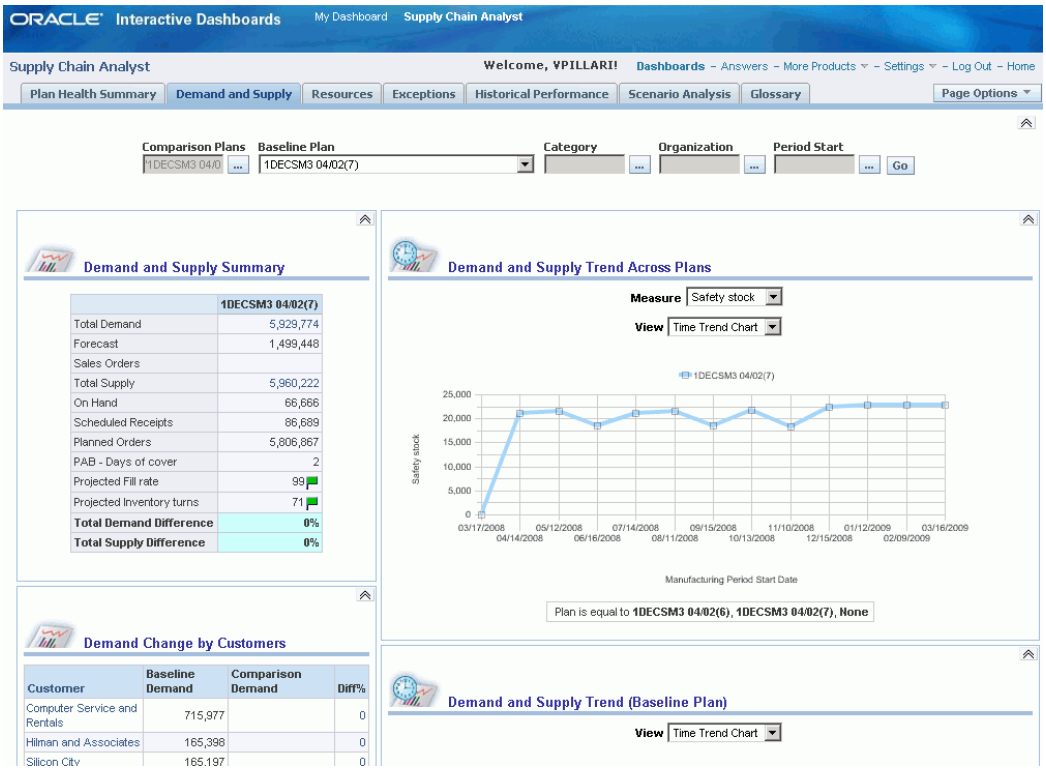
Using the Demand and Supply Page

This section provides an overview of the Demand and Supply page and discusses:

- Page level filters.
- Demand and Supply Summary.
- Demand Change by Customers.
- Supply Change by Categories.
- Demand and Supply Trend Across Plans.
- Demand and Supply Trend (Baseline Plan).
- Total Demand by Customers (Baseline Plan).
- Total Supply by Categories (Baseline Plan).

Understanding the Demand and Supply Page

The Demand and Supply page enables the supply chain analyst to evaluate how demand and supply are balanced over time and how they vary from one plan to another.



Page-Level Filters

Page-level filters are provided at the top of the page to filter the results of all reports.

This table lists the page-level filters for the Demand and Supply page:

Filter	Description
Comparison Plans	Select from a list of comparison plans. Multiple plans can be selected. This is a required field.
Baseline Plan	Select from a list of plans to use as a baseline. Only one plan can be selected. This is a required field.
Category	Select from a list of categories. Multiple categories can be selected. This is an optional field.

Organization	Select from a list of organizations. Multiple organizations can be selected. This is an optional field.
Period Start	Select from a list of date and time selections. A range of date and time can be selected. This is an optional field.

Demand and Supply Summary

The Demand and Supply Summary report enables the user to determine how demand and supply is different between a baseline plan and comparison plans.

To view the Demand and Supply Summary report, see Understanding the Demand and Supply Page, page 5-8

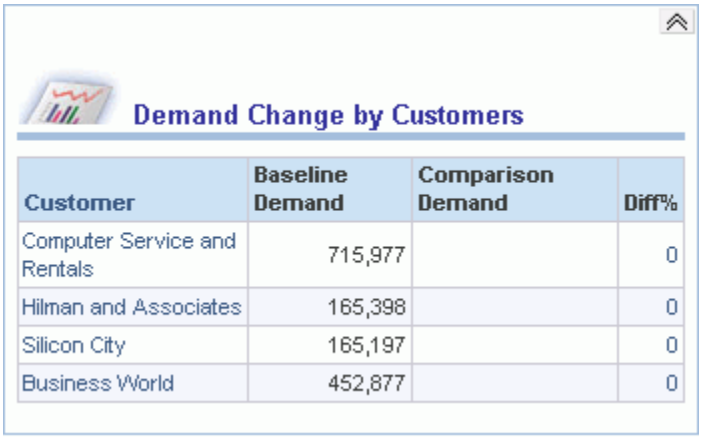
Additional reports that can be accessed from the Demand and Supply Summary report are (listed in alphabetical order):

- Aggregate Horizontal Plan.
- Days of Cover by Organizations.
- Demand and Supply Totals by Category.
- Demand and Supply Totals by Organization.
- Detailed Horizontal Plan.
- Exceptions Summary.
- Total Demand by Customers.
- Total Supply by Categories.
- WIP (work in progress) Start by Organizations.

Demand Change by Customers

The Demand Change by Customers report enables the user to compare demand from the baseline plan to demand from the comparison plan for multiple customers.

The difference in total demand for each customer between the two plans is computed as a percentage and the percentage is sorted in descending order. By default the report displays the top ten customers. Using the MSC: Value of N for all top/bottom-N reports in Dashboards profile, the user can adjust the number of top customers displayed.



Demand Change by Customers

Customer	Baseline Demand	Comparison Demand	Diff%
Computer Service and Rentals	715,977		0
Hilman and Associates	165,398		0
Silicon City	165,197		0
Business World	452,877		0

The customer name is a link, which can be used to display all customer sites for that customer. Use the Return or Back button to return to the report that lists all customers.

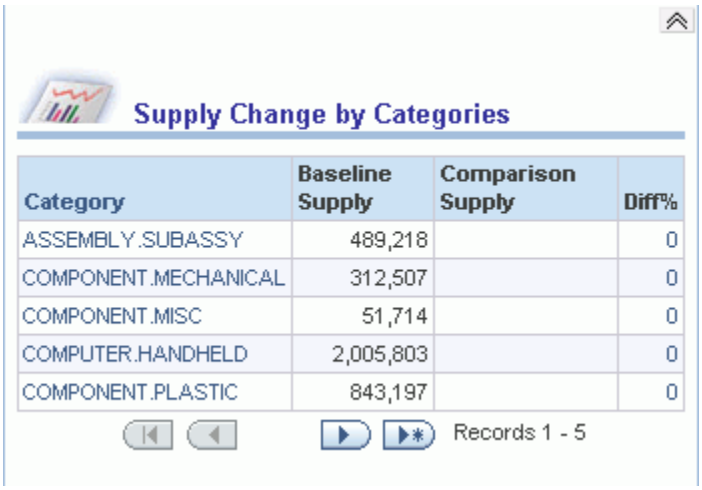
Additional reports that can be accessed from the Demand Change by Customers report are (listed in alphabetical order):

- ASCP Workbench – Supply and Demand Detail.
- Demand and Supply Trend (Baseline Plan).

Supply Change by Categories

The Supply Change by Categories report enables the user to compare supply from the baseline plan to supply from the comparison plan for multiple categories.

The difference in total supply for each category between the two plans is computed as a percentage and the percentage is sorted in descending order. By default the report displays the top ten categories. Using the MSC: Value of N for all top/bottom-N reports in Dashboards profile, the user can adjust the number of top categories displayed.



Supply Change by Categories

Category	Baseline Supply	Comparison Supply	Diff%
ASSEMBLY.SUBASSY	489,218		0
COMPONENT.MECHANICAL	312,507		0
COMPONENT.MISC	51,714		0
COMPUTER.HANDHELD	2,005,803		0
COMPONENT.PLASTIC	843,197		0

Records 1 - 5

The category name is a link, which can be used to display all items for that category. Use the Return button to return to the report that lists all categories.

An additional report that can be accessed from the Supply Change by Categories report is the Demand and Supply Trend (Baseline Plan). The ASCP Workbench – Items link takes the user directly to the Advanced Supply Chain Planner Workbench.

Demand and Supply Trend Across Plans

The Demand and Supply Trend Across Plans report enables the user to evaluate the trends of demand and supply over time and if the trends change between the baseline and comparison plans.

To view the Demand and Supply Trend Across Plans report, see Understanding the Demand and Supply Page, page 5-8

In addition to the page- level filters at the top of the page, users can specify these filters for the report:

Filter	Description
Measure	Select a measure to evaluate, which appears on the vertical axis. Options include **Total Supply, PAB – units** (Projected Available Balance), **Safety Stock**, and **Total Demand**.
View	Select how you would like to view the report. Options include: **Time Trend Chart** and **Time Trend Table**. The Time Trend Chart view plots the measure option over the manufacturing period start date using a line graph. The Time Trend Table view provides the values that correspond to the Time Trend Chart view.

Additional reports that can be accessed from the Demand and Supply Trend Across Plans report are (listed in alphabetical order):

- Exceptions Summary
- Days of Cover by Organization.
- Total Demand by Customers
- Total Supply by Categories
- WIP Start by Organizations

The ASCP Workbench – Items link takes the user directly to the Advanced Supply Chain Planner Workbench.

Demand and Supply Trend (Baseline Plan)

The Demand and Supply Trend (Baseline Plan) report enables the user to compare measures within a single plan. This report plots line graphs for safety stock and PAB units, and bar charts for total demand and total supply.

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you would like to view the report. Options include: **Time Trend Chart** and **Time Trend Table**. The Time Trend Chart view plots the measures over plans using a line graph and bar chart. The Time Trend Table view provides the values that correspond to the Time Trend Chart view.

Additional reports that can be accessed from the Demand and Supply Trend (Baseline Plan) report are (listed in alphabetical order):

- Exceptions Summary.
- Days of Cover by Organizations.
- Total Demand by Customers.
- Total Supply by Categories.
- WIP Start by Organizations.

The ASCP Workbench - Items link takes the user directly to the Advanced Supply Chain Planner Workbench.

Total Demand by Customers (Baseline Plan)

The Total Demand by Customers (Baseline Plan) report displays total demand by customer in a bar chart or table format.

This report shows data for the plan selected as the baseline plan in the page filters. By default, the report displays the top 10 customers. Using the MSC: Value of N for all top/bottom-N reports in Dashboards profile, the user can adjust the number of top customers displayed.

You can access this report from multiple locations.

To access this report from the Plan Health Summary page:

1. Select the Supply Chain Analyst responsibility.
2. Select the Supply Chain Analyst Dashboard.
3. Select the Total Demand value link from the Demand and Supply Summary report.

To access this report from the Demand and Supply page:

1. Select the Supply Chain Analyst responsibility.
2. Select the Supply Chain Analyst Dashboard.
3. Select Demand and Supply tab.

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include **Chart** and **Table**. The Chart view plots total demand for each customer using a bar graph. The Table view provides the values that correspond to the Chart view.

An additional report that you can access from the Total Demand by Customers (Baseline Plan) report is the Demand and Supply Trend within a Plan report. The ASCP Workbench - Supply and Demand Detail link takes the user directly to the Advanced Supply Chain Planner Workbench.

Total Supply by Categories (Baseline Plan)

The Total Supply by Categories (Baseline Plan) displays total supply by item category in a bar chart or table format.

This report shows data for the plan selected as the baseline plan in the page filters. By default the report displays the top ten categories. Using the MSC: Value of N for all top/bottom-N reports in Dashboards profile, the user can adjust the number of top categories displayed.

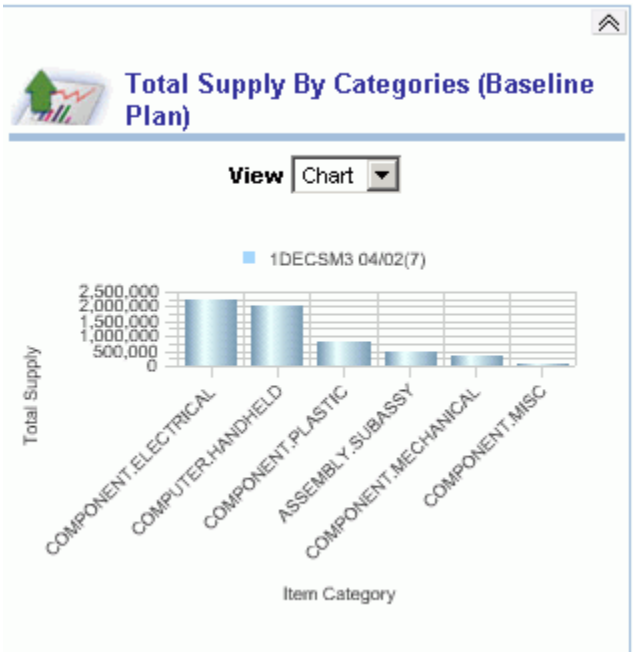
You can access this report from multiple locations.

To access this report from the Plan Health Summary page:

1. Select the Supply Chain Analyst responsibility.
2. Select the Supply Chain Analyst Dashboard.
3. Select the Total Supply value link from the Demand and Supply Summary report.

To access this report from the Demand and Supply page:

1. Select the Supply Chain Analyst responsibility.
2. Select the Supply Chain Analyst Dashboard.
3. Select the Demand and Supply tab.



In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include **Chart** and **Table**. The Chart view plots total supply for each category using a bar graph. The Table view provides the values that correspond to the Chart view.

An additional report that you can access from the Total Supply by Categories report is the Demand and Supply Trend within a Plan report. The ASCP Workbench - Supply and Demand Detail link takes the user directly to the Advanced Supply Chain Planner Workbench.

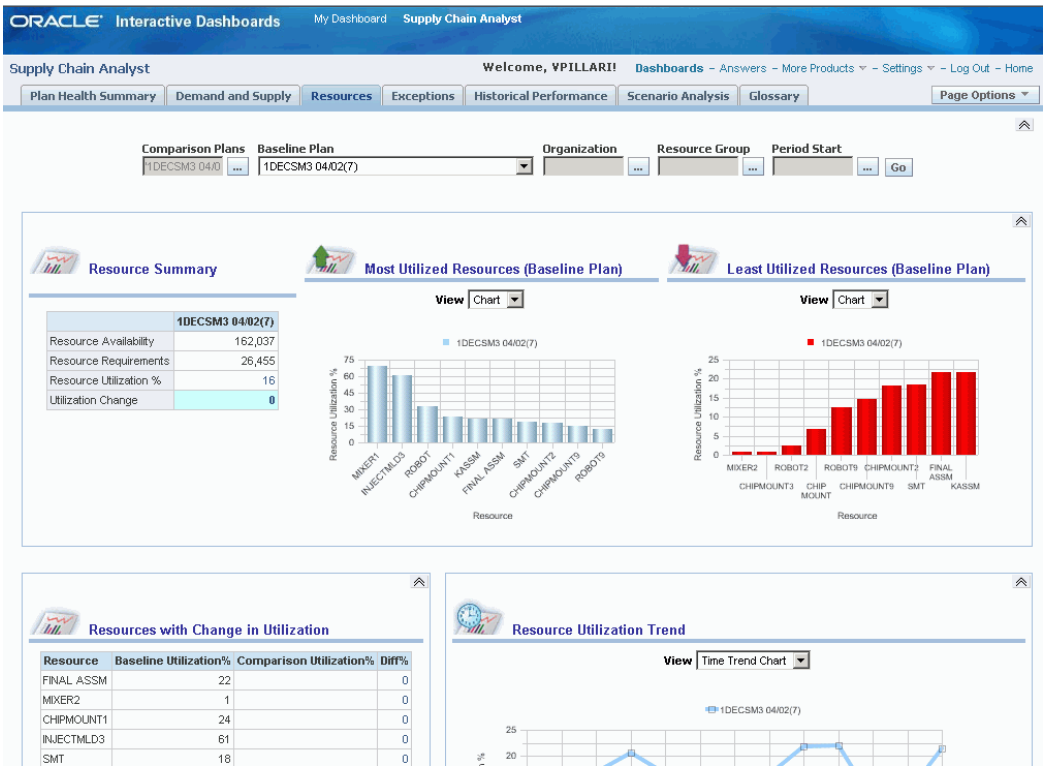
Using the Resources Page

This section provides an overview of the Resources page and discusses:

- Page-Level filters.
- Resource Summary.
- Most Utilized Resources (baseline plan).
- Least Utilized Resources (baseline plan).
- Resources with Change in Utilization.
- Resource Utilization Trend.

Understanding the Resources Page

The Resources page enables the supply chain analyst to evaluate how resource utilization has changed from one plan to another.



Page-Level Filters

Page-level filters are provided at the top of the page to filter the results of all reports.

This table lists the page-level filters for the Resources page:

Filter	Description
Comparison Plans	Select from a list of comparison plans. Multiple plans can be selected. This is a required field.
Baseline Plan	Select from a list of plans to use as a baseline. Only one plan can be selected. This is a required field.
Organization	Select from a list of organizations. Multiple organizations can be selected. This is an optional field.

Filter	Description
Resource Group	Select from a list of resource groups. Multiple resource groups can be selected. This is an optional field.
Period Start	Select from a list of date and time selections. A range of date and time can be selected. This is an optional field.

Resource Summary

The Resource Summary report enables the user to determine how resource utilization varies between baseline and comparison plans.

To view the Resource Summary report, see Understanding the Resources Page, page 5-17

Additional reports that you can access from the Resource Summary report are (listed in alphabetical order):

- Least Utilized Resources.
- Most Utilized Resources.

Click Resource Utilization % to access these reports:

- Exception Summary.
- Resource Utilization by Organizations.
- Resource Utilization by Resource Groups.

Most Utilized Resource (Baseline Plan)

The Most Utilized Resource (Baseline Plan) report enables the user to view the resources that are used the most for the baseline plan.

This report shows data for the plan selected as the baseline plan in the page filters. By default, the report displays the top 10 resources. Using the MSC: Value of N for all top/bottom-N reports in Dashboards profile, the user can adjust the number of top resources displayed.

To view the Most Utilized Resource Baseline Plan report, see Understanding the Resources Page, page 5-17

In addition to the page leve-filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include **Chart** and **Table**. The Chart view plots resource utilization for each resource using a bar graph. The Table view provides the values that correspond to the Chart view.

An additional report that you can access from the Most Utilized Resources (Baseline Plan) report is the Resource Utilization Trend report. The ASCP Workbench – Resources link takes the user directly to the Advanced Supply Chain Planner Workbench.

Least Utilized Resources (Baseline Plan)

The Least Utilized Resource (Baseline Plan) report enables the user to view the resources that are used the least for the baseline plan.

This report shows data for the plan selected as the baseline plan in the page filters. By default, the report displays the bottom 10 resources. Using the MSC: Value of N for all top/bottom-N reports in Dashboards profile, the user can adjust the number of resources displayed.

To view the Least Utilized Resource Baseline Plan report, see Understanding the Resources Page, page 5-17

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

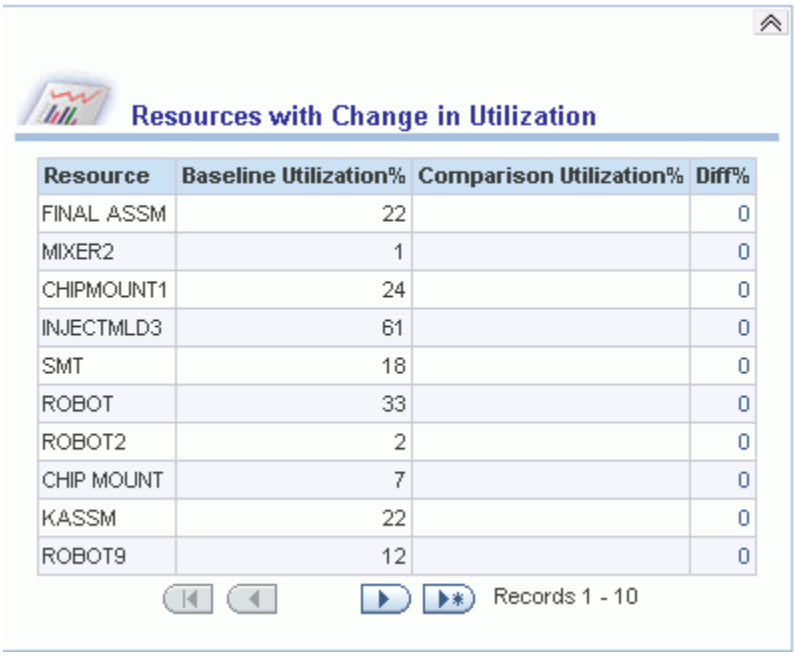
Field	Description
View	Select how you want to view the report. Options include **Chart** and **Table**. The Chart view plots resource utilization for each resource using a bar graph. The Table view provides the values that correspond to the Chart view.

An additional report that you can access from the Least Utilized Resources (Baseline Plan) report is the Resource Utilization Trend report. The ASCP Workbench – Resources link takes the user directly to the Advanced Supply Chain Planner Workbench.

Resources with Change in Utilization

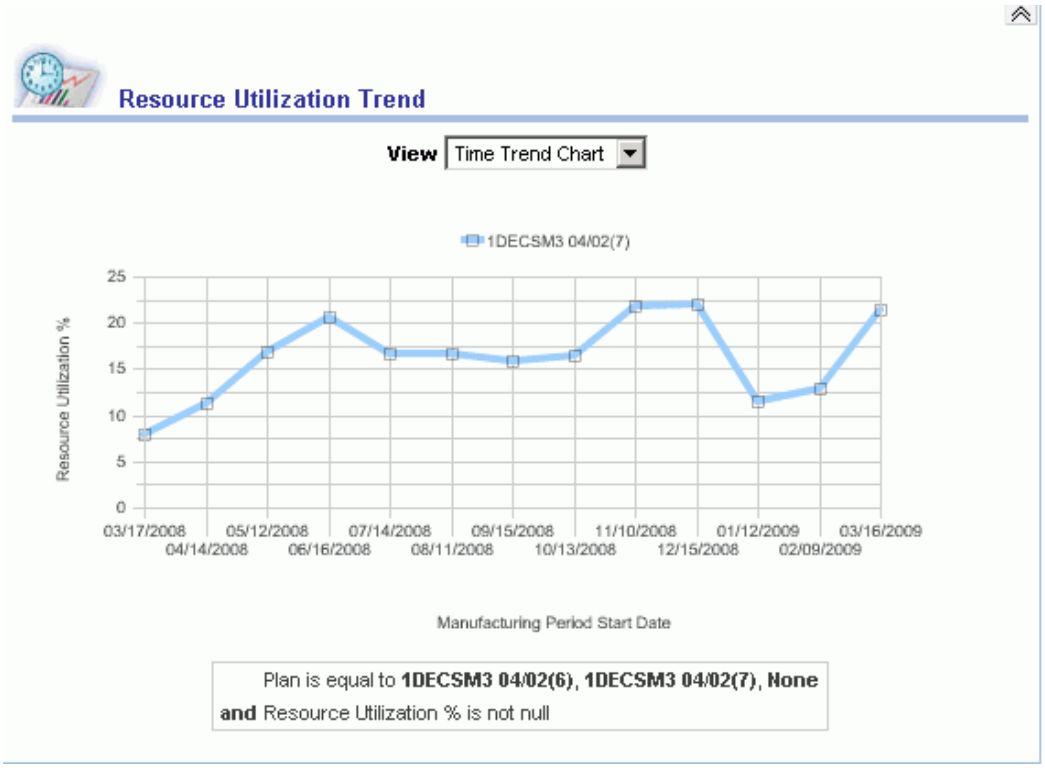
Utilization varies, for each resource, between baseline and comparison plans.

The difference in utilization percent for each resource between the two plans is computed as a percentage and the percentage is sorted in descending order. By default the report displays the top 10 resources with the most change. Using the MSC: Value of N for all top/bottom-N reports in Dashboards profile, the user can adjust the number of top resources displayed.



Resource Utilization Trend

The Resources Utilization Trend report enables the user to determine how resources are used over time and whether the trend has changed between the baseline and comparison plans.



In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include **Time Trend Chart** and **Time Trend Table**. The Chart view plots resource utilization over manufacturing period start dates using a line graph. The Table view provides the values that correspond to the Chart view.

Additional reports that you can access from the Resource Utilization Trend report are (listed in alphabetical order):

- Exception Summary.
- Least Utilized Resources.
- Most Utilized Resources.
- Resource Utilization by Organizations.

- Resource Utilization by Resource Groups.

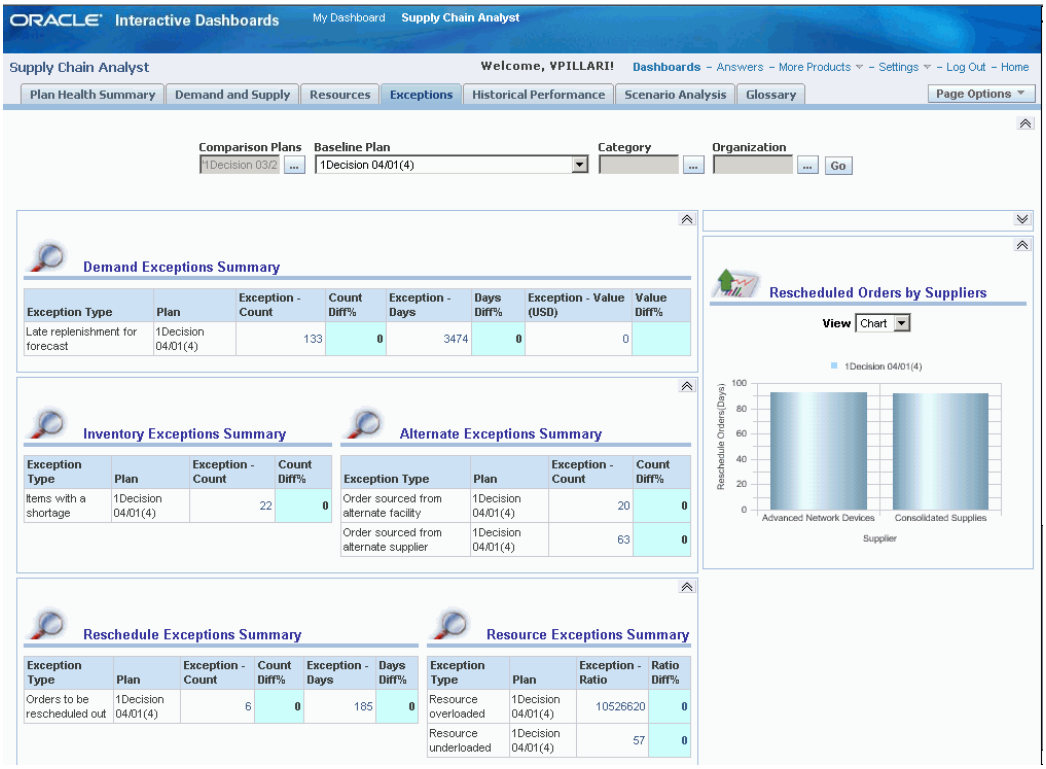
Using the Exceptions Page

This section provides an overview of the Exceptions page and discusses:

- Page-Level Filters.
- Exceptions Summary.
- Exceptions Summary by Category.
- Exceptions Summary by Organization.
- Rescheduled Orders by Suppliers.

Understanding the Exceptions Page

The Exceptions page enables the supply chain analyst to analyze exceptions in a current plan and compare those exceptions against a comparison plan.



Page-Level Filters

Page-level filters are provided at the top of the page to filter the results of all reports.

This table lists the page-level filters for the Exceptions page:

Filter	Description
Comparison Plans	Select from a list of comparison plans. Multiple plans can be selected. This is a required field.
Baseline Plan	Select from a list of plans to use as a baseline. Only one plan can be selected. This is a required field.
Category	Select from a list of categories. Multiple organizations can be selected. This is an optional field.

Filter	Description
Organization	Select from a list of organizations. Multiple organizations can be selected. This is an optional field.

Exceptions Summary

The Exceptions Summary reports enable the user to analyze exceptions in the baseline plan and compare exceptions between the baseline and comparison plans. The Exceptions Summary report consists of five subreports:

- Demand Exceptions Summary.
- Inventory Exceptions Summary.
- Alternate Exceptions Summary.
- Reschedule Exceptions Summary.
- Resource Exceptions Summary.

To view the Exceptions Summary reports, see Understanding the Exceptions Page, page 5-23.

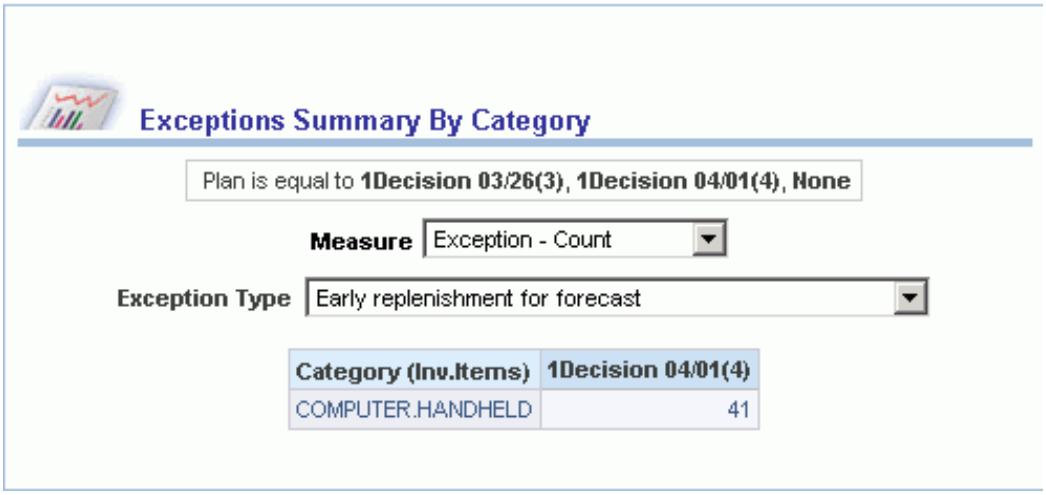
Additional reports that you can access from the Exceptions Summary reports are (listed in alphabetical order):

- Exceptions by Categories.
- Exceptions by Customers.
- Exceptions by Items.
- Exceptions by Organizations.
- Exceptions by Suppliers.
- Exceptions Trend.
- Resource Utilization by Organization.

Exceptions Summary by Category

The Exceptions Summary by Category report enables the user to analyze exceptions based on an item category in the baseline plan and also compare exceptions between

the baseline and comparison plans for an item category.



In addition to the page-level filters at the top of the page, users can specify these filters for the report:

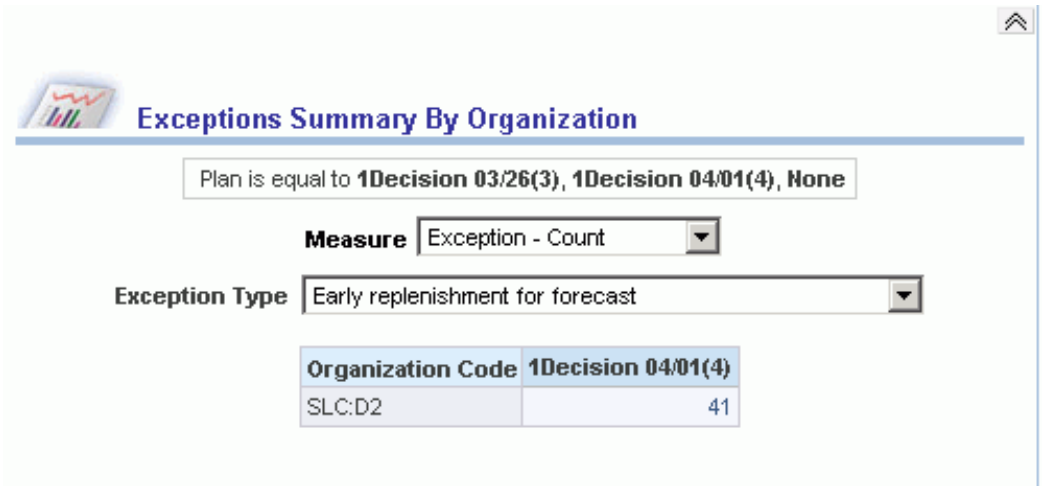
Field	Description
Measure	Select how you want to view the exception measure. Options include **Exception – Days**, **Exception – Quantity**, **Exception – Ratio**, **Exception – Value**, **Exception – Count**.
Exception Type	Select an exception type. Options include **Early replenishment for forecast**, **Items with a shortage**, and so on.

Additional reports that you can access from the Exceptions Summary by Category report are (listed in alphabetical order):

- Aggregate Horizontal Plan.
- Detailed Horizontal Plan.
- Exceptions Trend.

Exceptions Summary by Organization

The Exceptions Summary by Organization report enables the user to analyze exceptions based on an organization in the baseline plan and also compare exceptions between the baseline and comparison plans.



In addition to the page level-filters at the top of the page, users can specify these filters for the report:

Field	Description
Measure	Select how you want to view the exception measure. Options include **Exception – Days**, **Exception – Quantity**, **Exception – Ratio**, **Exception – Value**, **Exception – Count**.
Exception Type	Select an exception type. Options include **Early replenishment for forecast**, **Items with a shortage**, and so on.

Additional reports that you can access from the Exceptions Summary by Organization report are (listed in alphabetical order):

- Aggregate Horizontal Plan.
- Detailed Horizontal Plan.
- Exceptions Trend.

Rescheduled Orders by Suppliers

The Rescheduled Orders by Suppliers report enables the user to analyze the number of rescheduled orders by days for suppliers.

By default the report displays the top 10 suppliers. Using the MSC: Value of N for all top/bottom-N reports in Dashboards profile, users can adjust the number of top suppliers displayed.

To view the Rescheduled Orders by Suppliers report, see Understanding the Exceptions Page, page 5-23.

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include **Chart** and **Table**. The Chart view plots rescheduled orders in days for suppliers using a bar graph. The Table view provides the values that correspond to the Chart view.

An additional report that you can access from the Rescheduled Orders by Suppliers report is the Exceptions Trend report.

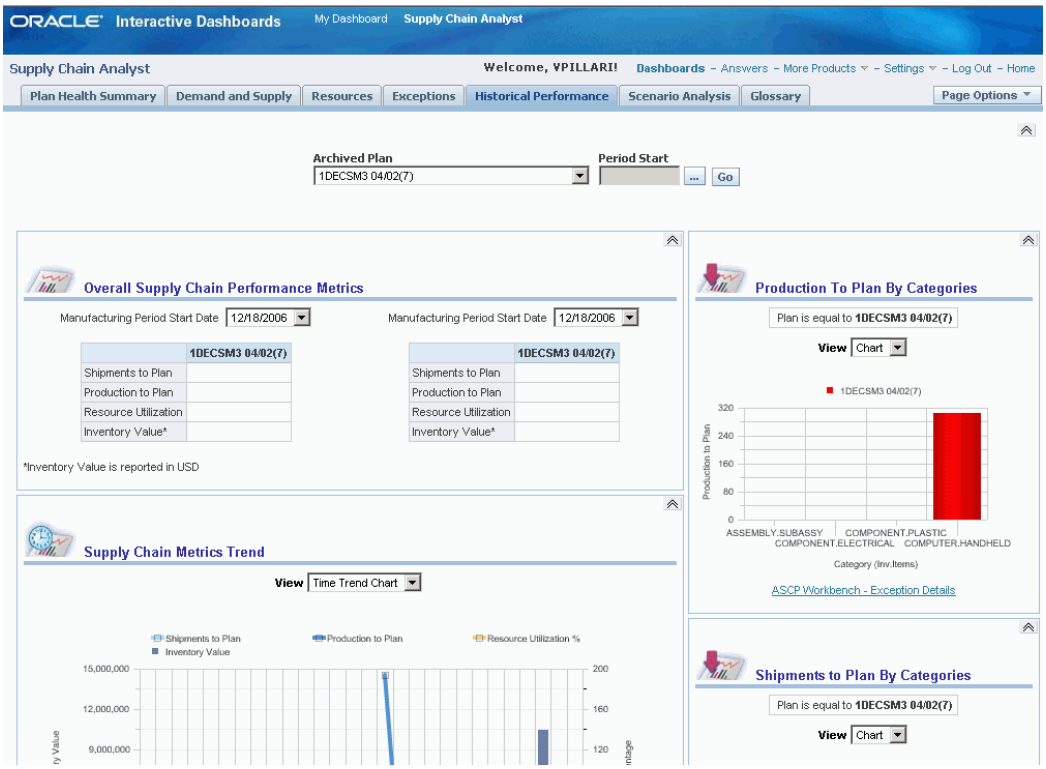
Using the Historical Performance Page

This section provides an overview of the Historical Performance page and discusses:

- Page-Level Filters.
- Overall Supply Chain Performance Metrics.
- Supply Chain Metrics Trend.
- Inventory Value by Categories.
- Days of Cover by Categories.
- Production to Plan by Categories.
- Shipments to Plan by Categories.
- Resource Utilization by Resource Groups.

Understanding the Historical Performance Page

The Historical Performance page enables the supply chain analyst to analyze the performance of the supply chain from one period to another. The user can compare the historical performance of a baseline plan to plans from previous periods.



Page-Level Filters

Page-level filters are provided at the top of the page to filter the results of all reports.

This table lists the page-level filters for the Historical Performance page:

Filter	Description
Archived Plan	Select from a list of archived plans. Only one plan can be selected.
Period Start	Select from a list of date and time selections. A range of date and time can be selected.

Overall Supply Chain Performance Metrics

The Overall Supply Chain Performance Metrics report enables users to analyze performance metrics in one manufacturing period or two manufacturing periods.

To view the Overall Supply chain Performance Metrics report, see Understanding the Historical Performance Page, page 5-28

In addition to the page level filters at the top of the page, users can specify this filter for

the report:

Field	Description
Manufacturing Period Start Date	Select a date to analyze or compare.

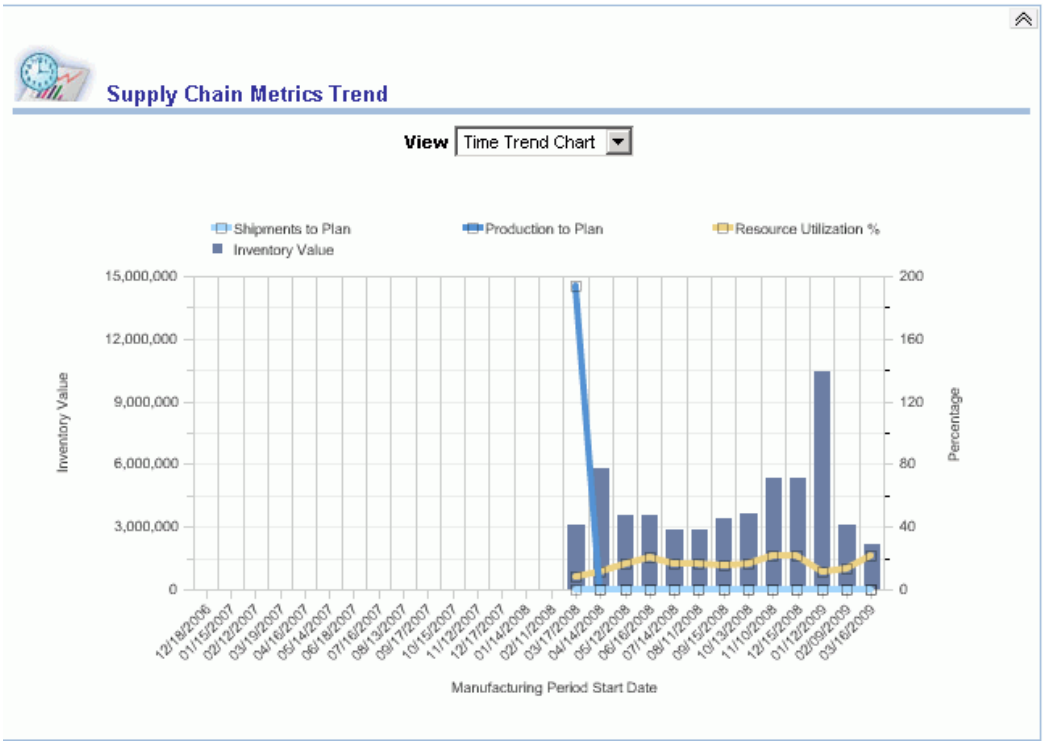
Additional reports that can be accessed from the Overall Supply Chain Performance Metrics report are (in alphabetical order):

- Exceptions Summary.
- Inventory Value by Category.
- Inventory Value by Organization.
- Least Utilized Resources.
- Most Utilized Resources.
- Production to Plan by Category.
- Production to Plan by Organization.
- Resource Utilization by Resource Group.
- Shipments to Plan by Category.
- Shipments to Plan by Organization.
- Total Demand by Customers.

Supply Chain Metrics Trend

The Supply Chain Metrics Trend report enables users to analyze the trends of key supply chain metrics and how these metrics are expected to perform in the future given a specific plan.

The report indicates how each supply chain metric has been performing against a plan value in the past and in the future. The report displays any metric that has a significant deviation between periods.



In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include **Time Trend Chart** and **Time Trend Table**. The Chart view plots inventory value, resource utilization, planned shipments, and planned production in a combination of line graphs and bar charts over time. The Table view provides the values that correspond to the Chart view.

Additional reports that you can access from the Supply Chain Metrics Trend report are (in alphabetical order):

- Days of Cover by Items.
- Exception Summary.
- Resource Utilization by Organizations.

- Resource Utilization by Resource Groups.
- Total Demand by Customers.
- Total Supply by Categories.

Inventory Value by Categories

The Inventory Value by Categories report enables users to analyze inventory performance in the baseline plan. Inventory performance is displayed in terms of projected available balance at the end of a period as a monetary value.

By default, the report displays the top 10 categories with the most inventory. Using the MSC: Value of N for all top/bottom-N reports in Dashboards profile, the user can adjust the number of top categories displayed.

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include **Chart** and **Table**. The Chart view plots inventory value for each category using a bar graph. The Table view provides the values that correspond to the Chart view.

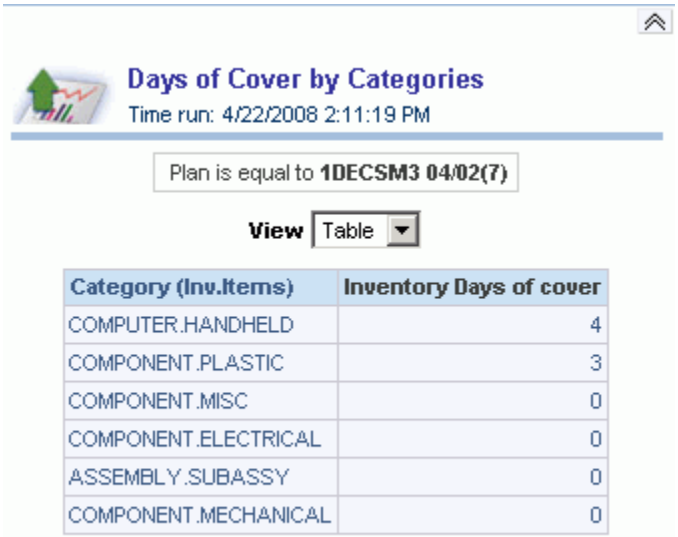
Additional reports that you can access from the Inventory Value by Categories report are (in alphabetical order):

- Exceptions Summary by Categories.
- Total Demand by Customers.
- Total Supply by Category.

Days of Cover by Categories

The Days of Cover by Categories report enables users to analyze inventory performance in the baseline plan. Inventory performance is displayed in terms of projected available balance at the end of a period as days of cover.

By default, the report displays the top 10 categories. Using the MSC: Value of N for all top/bottom-N reports in Dashboards profile, the user can adjust the number of top categories displayed.



Category (Inv.Items)	Inventory Days of cover
COMPUTER.HANDHELD	4
COMPONENT.PLASTIC	3
COMPONENT.MISC	0
COMPONENT.ELECTRICAL	0
ASSEMBLY.SUBASSY	0
COMPONENT.MECHANICAL	0

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include **Chart** and **Table**. The Chart view plots inventory days of cover for each category using a bar graph. The Table view provides the values that correspond to the Chart view.

Additional reports that you can access from the Days of Cover by Categories report are (in alphabetical order):

- Top Categories by Exceptions.
- Top Items with Most Days of Cover.
- Top Organizations by Most Days of Cover.

Production to Plan by Categories

The Production to Plan by Categories report enables users to analyze the planned production for each category for a specific plan.

By default, the report displays the bottom 10 categories with lowest production to plan. Using the MSC: Value of N for all top/bottom-N reports in Dashboards profile, the user can adjust the number of categories displayed.

To view the Production to Plan by Categories report, see Understanding the Historical Performance Page, page 5-28

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include **Chart** and **Table**. The Chart view plots planned production for each category using a bar graph. The Table view provides the values that correspond to the Chart view.

An additional report that you can access from the Production to Plan by Categories report is the ASCP Workbench – Exception Details report.

Shipments to Plan by Categories

The Shipments to Plan by Categories report enables users to analyze the planned shipments for each category for a specific plan.

By default the report displays the bottom 10 categories with lowest shipments to plan. Using the MSC: Value of N for all top/bottom-N reports in Dashboards profile, the user can adjust the number of categories displayed.

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

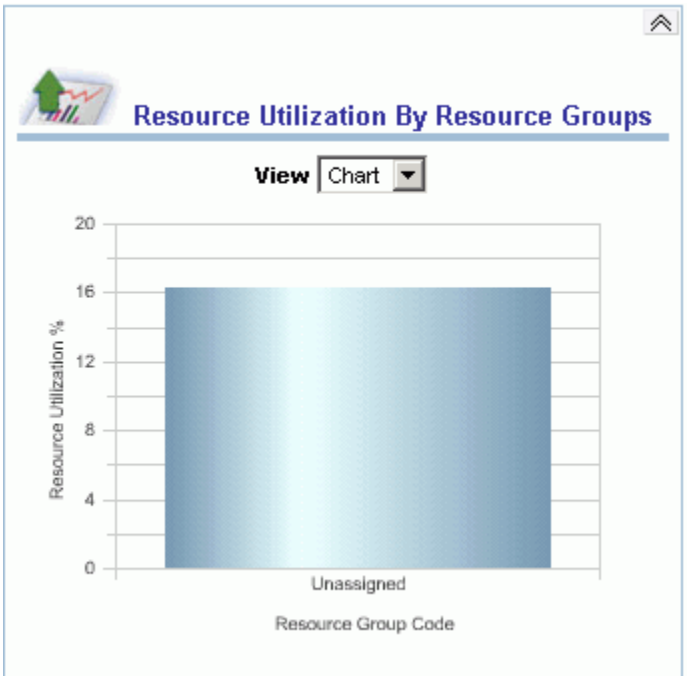
Field	Description
View	Select how you want to view the report. Options include: **Chart** and **Table**. The Chart view plots planned shipments for each category using a bar graph. The Table view provides the values that correspond to the Chart view.

An additional report that you can access from the Shipments to Plan by Categories report is the ASCP Workbench – Exception Details report.

Resource Utilization by Resource Groups

The Resource Utilization by Resource Groups report enables users to analyze resource utilization for the resource groups within a plan.

By default, the report displays the top 10 resource groups. Using the MSC: Value of N for all top/bottom-N reports in Dashboards profile, the user can adjust the number of resource groups displayed.



In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include **Chart** and **Table**. The Chart view plots resource utilization for each resource group using a bar graph. The Table view provides the values that correspond to the Chart view.

An additional report that you can access from the Resource Utilization by Resource Groups report is the Resource Utilization Trend report.

Using the Scenario Analysis Page

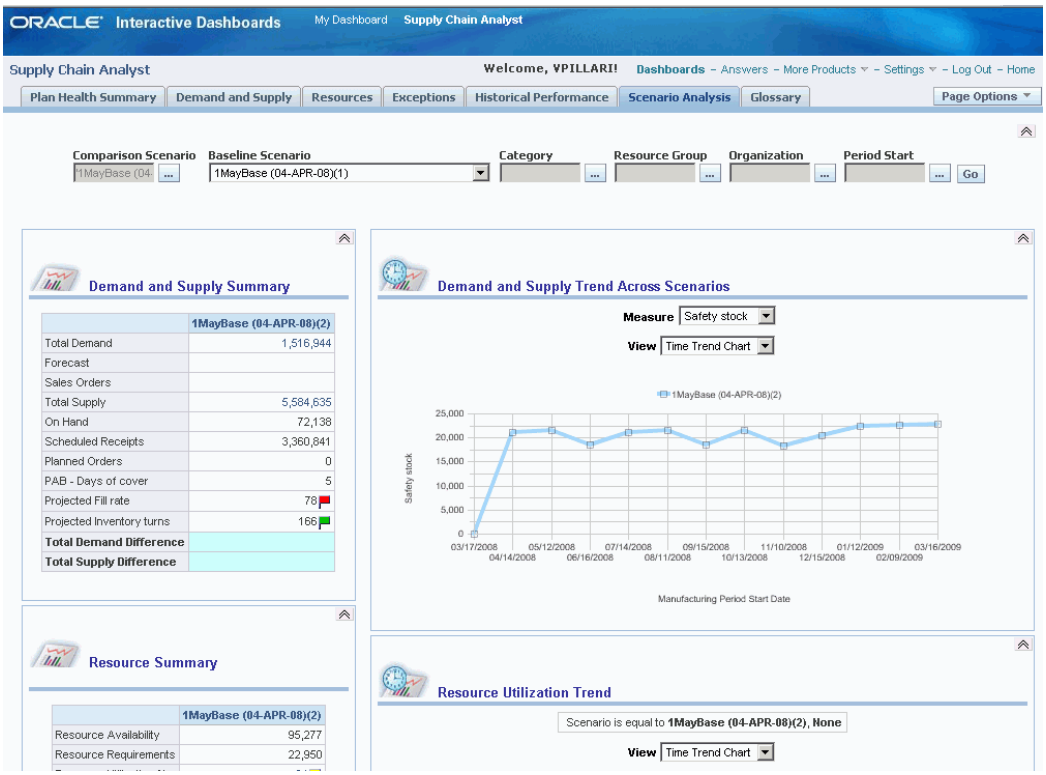
This section provides an overview of the Scenario Analysis page and discusses:

- Page-Level Filters.
- Demand and Supply Summary.
- Demand and Supply Trend Across Scenarios.
- Resource Summary.
- Resource Utilization Trend.
- Exception Summary.

Understanding the Scenario Analysis Page

The Scenario Analysis page enables the supply chain analyst to analyze key metrics in the supply chain over time and how they vary from one scenario to another. The key metrics that are displayed are:

- Demand and Supply.
- Resources.
- Exceptions.



Page-Level Filters

Page-level filters are provided at the top of the page to filter the results of all reports.

This table lists the page-level filters for the Scenario Analysis page:

Filter	Description
Comparison Scenario	Select from a list of plans that are to be used to compare to the baseline plan. Multiple plans can be selected. This is a required field.
Baseline Plan	Select from a list of plans that are to be used as the baseline plan. Only one plan can be selected. This is a required field.
Category	Select from a list of categories. Multiple categories can be selected. This is an optional field.

Resource Group	Select from a list of resource groups. Multiple resource groups can be selected. This filter applies only to the resource- related reports on the page such as Resource Measures, Resource Trend Over Time, and Resource Exceptions Summary. This is an optional field.
Organization	Select from a list of organizations. Multiple organizations can be selected. This is an optional field
Period Start	Select from a list of date and time selections. A range of dates and times can be selected. This is an optional field.

Demand and Supply Summary

The Demand and Supply Summary report on the Scenario Analysis page is exactly like the Demand and Supply Summary report on the Demand and Supply page with one exception. The former enables the user to determine how demand and supply is different between a baseline and comparison scenario.

See Demand and Supply Summary, page 5-10

Demand and Supply Trend Across Scenarios

The Demand and Supply Trend Across Scenarios report on the Scenario Analysis page is exactly like the Demand and Supply Trend Across Plans report on the Demand and Supply page with one exception. The former report enables the user to evaluate the trends of demand and supply over time and whether the trends change between the baseline and comparison scenarios.

See Demand and Supply Trend Across Plans, page 5-12

Resource Summary

The Resource Summary report on the Scenario Analysis page is exactly like the Resource Summary report on the Resources page with one exception. The former enables the user to determine how resource utilization varies between baseline and comparison scenarios.

See Resource Summary , page 5-19

Resource Utilization Trend

The Resource Utilization Trend report on the Scenario Analysis page is exactly like the Resource Utilization Trend report on the Resources page with one exception. The former enables the user to determine how resources are used over time and whether the trend has changed between baseline and comparison scenarios.

See Resource Utilization Trend, page 5-21

Exception Summary

The Exception Summary report on the Scenario Analysis page is exactly like the Exception Summary report on the Exceptions page with one exception. The former enables the user to analyze exceptions in the baseline scenario and compare exceptions between the baseline and comparison scenarios.

See Exceptions Summary, page 5-25

Supply Chain Analyst Secondary Drill-Down Reports

Primary reports are located on the six tabs in the Supply Chain Analyst Dashboard: Plan Health Summary, Demand and Supply, Resources, Exceptions, Historical Performance, and Scenario Analysis.

Secondary drill-down reports are reports that are accessed from the primary reports. They are often displayed in the context of where the user is drilling down from in the primary report. That is, if the user drills down from a data point in the primary report that displays the value for a product category, then the secondary report is displayed for that product category.

This table lists secondary reports for the Supply Chain Analyst Dashboard in alphabetical order:

Report Name	Measures or Facts	Dimension or View by
Aggregate Horizontal Plan	Total demand, total supply, safety stock, and projected available balance (PAB) – units	Plan
Days of Cover by Items	Exception count (use alternate sources or use alternate suppliers) and safety stock violations	Plan or Period

Report Name	Measures or Facts	Dimension or View by
Days of Cover by Organizations	Days of cover	Organization
Demand and Supply Totals by Category	Total demand, forecast sales orders, past-due backlog quantity, total supply, on hand, days of cover, and scheduled receipts	Category
Demand and Supply Totals by Organization	Total demand, forecast sales orders, past-due backlog quantity, total supply, on hand, days of cover, and scheduled receipts	Organization
Detailed Horizontal Plan	Total demand, forecast, sales order, total supply, on hand, scheduled receipts, planned orders, safety stock, PAB – units	Plan
Exceptions by Categories	Based on the exception type that the user selects to drill down to the trend report, which is one of: Exception Count (stock outs, use alternate sources, or use alternate suppliers), Exception Days (late sales orders, rescheduled orders), Exception Value (late sales orders), Exception Quantity (late forecast), or Safety Stock Violations	Category
Exceptions by Customers	Based on the exception type that the user selects to drill down to the trend report, which is one of: Exception Days (late sales orders, rescheduled orders), Exception Value (late sales orders), or Exception Quantity (late forecast)	Customer

Report Name	Measures or Facts	Dimension or View by
Exceptions by Items	Based on the exception type that the user selects to drill down to the trend report, which is one of: Exception Count (stock outs, use alternate sources, use alternate suppliers), Exception Days (late sales orders, rescheduled orders), Exception Value (late sales orders), Exception Quantity (late forecast), or Safety Stock Violations	Item
Exceptions by Organizations	Based on the exception type that the user selects to drill down to the trend report, which is one of: Exception Count (stock outs), Exception Days (late sales orders, rescheduled orders), Exception Value (late sales orders), Exception Quantity (late forecast), or Safety Stock Violations	Organization
Exceptions by Suppliers	Based on the exception type that the user selects to drill down to the trend report, which is one of: Exception Count (use alternate sources and use alternate suppliers), or Exception Days (rescheduled orders)	Supplier

Report Name	Measures or Facts	Dimension or View by
Exceptions Trend	Based on the exception type that the user selects to drill down to the trend report, which is one of: Exception Count (stock outs, user alternate sources, or use alternate suppliers), Exception Days (late sales orders or rescheduled orders), Exception Value (late sales orders), Exception Quantity (late forecast or resource overload), or Safety Stock Violations	Exception type
Least Utilized Resources	Resource availability, resource requirement, or resource utilization	Resources
Most Utilized Resources	Resource availability, resource requirement, or resource utilization	Resources
Production to Plan by Organization	Production to plan	Organization
Resource Utilization Trend	Resource availability, resource requirement, or resource utilization	Plan
Resource Utilization by Department	Resource availability, resource requirement, or resource utilization	Department
Resource Utilization by Organizations	Resource availability, resource requirement, or resource utilization	Organization
Resource Utilization by Resource Groups	Resource availability, resource requirement, or resource utilization	Resource Group
Shipments to Plan by Organization	Shipments to plan	Organization

Report Name	Measures or Facts	Dimension or View by
WIP (work in progress) Start by Organizations	WIP start quantity	Organization

The following forms in the ASCP application are accessible from the supply chain analyst dashboard:

- Supply and Demand Detail.
- Resources.
- Exception Details.
- Items.

My Open Activities

When you are logged on, the two seeded dashboards, the Supply Chain Analyst dashboard and the Sales & Operations Planning Analyst dashboard, display an alert in the top right of the page whenever overdue open activities exist. This is based on a seeded iBot that is tied to a report called My Open Activities. When you click the alert icon, the My Open Activities table displays a complete list of all open activities for which you are the primary or secondary owner.

When you click an activity name in the My Open Activities table, the activities table in the Scenario management user interface opens and displays all the details of the activity. In this location, you can update the status, owner, and other details of the activity.

See Working with Activities *Working with Activities* in Chapter 2 for an understanding of planning activities.

6

Using the Sales and Operations Planning Analyst Dashboard

This chapter covers the following topics:

- Understanding the Sales and Operations Planning Dashboard
- Using the Demand Review Page
- Using the Supply Review Page
- Using the Executive Review Page
- Sales and Operations Planning Analyst Secondary Drill-Down Reports

Understanding the Sales and Operations Planning Dashboard

The Sales and Operations Planning analyst has access to predefined dashboards with a selection of seeded reports. These reports enable the sales and operations planning analyst to perform tasks related to sales and operations planning and analysis. The report pages leverage the flexibility of the Oracle Business Intelligence – Enterprise Edition (OBI-EE) application, which enables the layout and content of the delivered reports to be customized by the user.

The reports for the sales and operations planning analyst are organized in logical groupings as pages, or tabs, within the Sales and Operations Planning Dashboard.

These pages are available for the sales and operations planning analyst:

- Demand Review.
- Supply Review.
- Executive Review.
- Glossary.

The Glossary page provides:

- Definitions of all measures that are presented in the Sales and Operations Planning Dashboard.
- Information about the logic used to calculate each measure.

To change the dashboard layout, see Oracle Business Intelligence Answers, Delivers, and Interactive Dashboards User Guide.

Using the Demand Review Page

This section provides an overview of the Demand Review page and discusses:

- Forecast Comparison.
- Forecast Accuracy.
- Projected Backlog.
- Top - Consensus Tracking.
- Forecast - Scenario Comparison.

Understanding the Demand Review Page

The Demand Review page maps to the first phase of the Sales and Operations Planning business process. It provides the Sales and Operations Planning analyst the information to answer these questions:

- How has the plan changed?
- Is the order backlog increasing?
- How are we performing to the forecast?

To access the Demand Review page:

1. Select the Sales and Operations Planning Analyst responsibility.
2. Select Sales and Operations Planning Dashboard.

Page-Level Filters

Page-level filters are provided at the top of the Demand Review page. Page-level filters are used to filter the results of the work areas.

This table lists the page level filters for the Demand Review page:

Filter	Description
Comparison Scenario	Select from a list of scenarios to use to compare to a baseline scenario. Multiple scenarios can be selected. This is a required field.
Baseline Scenario	Select from a list of scenarios to use as the baseline. Only one scenario can be selected. This is a required field.
Fiscal Year	Select from a list of fiscal years. Optionally, select multiple years.
Category Description (Inv.Items)	Select from a list of item categories. Only one category can be selected. This is an optional field.
Organization Code	Select from a list of organizations. Multiple organizations can be selected. This is an optional field.

Forecast Comparison

The Forecast Comparison report enables the sales and operations planning analyst to compare how raw forecasts from different stakeholders vary. The Consensus Forecast is the demand plan that is agreed upon between Sales, Marketing, and other Demand Management stakeholders. It is used for driving the manufacturing and supply plans.

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. These options are available: • The Demand in Units (Chart) view plots shipment history, consensus forecast, sales forecast, and marketing forecast over fiscal periods. • The Demand in Units (Table) view provides the values that correspond to the Demand in Units (Chart). • The Demand in Currency (Chart) view plots the annual backlog and the projected backlog over fiscal periods. • The Demand in Currency (Table) view provides the values that correspond to the Demand in Currency (Chart).

Additional currency reports that you can access from the Forecast Comparison report are (in alphabetical order):

- Top Absolute (Abs) Difference (Currency) – Consensus and Budget by Organization.
- Top Abs Difference (Currency) – Consensus and Budget by Product Category.
- Top Abs Difference (Currency) – Consensus and Marketing by Organization.
- Top Abs Difference (Currency) – Consensus and Marketing by Product Category.
- Top Abs Difference (Currency) – Consensus and Sales by Organization.
- Top Abs Difference (Currency) – Consensus and Sales by Product Category.
- Top Abs Percent (%) Difference (Currency) – Consensus and Budget by Organization.
- Top Abs % Difference (Currency) – Consensus and Budget by Product Category.
- Top Abs % Difference (Currency) – Consensus and Marketing by Organization.
- Top Abs % Difference (Currency) – Consensus and Marketing by Product Category.

- Top Abs % Difference (Currency) – Consensus and Sales by Organization.
- Top Abs % Difference (Currency) – Consensus and Sales by Product Category.

Additional unit reports that you can access from the Forecast Comparison report are (in alphabetical order):

- Top Abs Difference – Consensus and Marketing by Organization.
- Top Abs Difference – Consensus and Marketing by Product Category.
- Top Abs Difference – Consensus and Sales by Organization.
- Top Abs Difference – Consensus and Sales by Product Category.
- Top Abs % Difference – Consensus and Marketing by Organization.
- Top Abs % Difference – Consensus and Marketing by Product Category.
- Top Abs % Difference – Consensus and Sales by Organization.
- Top Abs % Difference – Consensus and Sales by Product Category.

Users can also access the Sales and Operations Planning application by clicking the Consensus Forecast Product Category link.

Forecast Accuracy

The Forecast Accuracy report enables the sales and operations planning analyst to determine the accuracy of the Consensus Forecast over time.

In addition to the page level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include **Chart** and **Table**. The Chart view plots consensus forecast accuracy MAPE for week four, week eight, and week thirteen. The Table view provides the values that correspond to the Chart view.

Additional reports that you can access from the Forecast Accuracy report are (in alphabetical order):

- Bottom – 8 week Forecast Accuracy by Item.

- Bottom – 8 week Forecast Accuracy by Organization.
- Bottom – 8 week Forecast Accuracy by Product Category.
- Forecast Accuracy by Fiscal Period.

Users can also access the Sales and Operations Planning application by clicking the Consensus Waterfall Analysis Product Category link.

Projected Backlog

The Projected Backlog report enables the sales and operations planning analyst to:

- Determine whether order backlog is increasing by analyzing the trends in actual backlog history and projected backlog.
- Compare projected backlog between the baseline and comparison scenarios.

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include **Chart** and **Table**. The Chart view plots actual backlog and projected backlog for multiple fiscal periods. The Table view provides the values that correspond to the Chart view.

Additional reports that you can access from the Projected Backlog report are (in alphabetical order):

- Actual Backlog Distribution by Operating Unit.
- Actual Backlog Distribution by Product Category.
- Consolidated Analysis by Fiscal Period.
- Demand Fill by Fiscal Period.
- Projected Backlog Distribution by Operating Unit.
- Top Actual Backlog by Customer.
- Top Actual Backlog by Item.

- Top Actual Backlog by Organization.
- Top Actual Backlog by Product Category.
- Top Projected Backlog by Customer.
- Top Projected Backlog by Item.
- Top Projected Backlog by Organization.
- Top Projected Backlog by Product Category.

Users can also access the Sales and Operations Planning application by clicking the Projected Backlog Product Category link.

Top - Consensus Tracking

The Top – Consensus Tracking report enables the sales and operations planning analyst to track forecast attainment by comparing bookings, with future dates, and consensus forecasts. This report shows the top number of categories that have the highest attained percent. The report is displayed for the selected baseline scenario only.

In addition to the page level filters at the top of the page, users can specify these filters for the report:

Field	Description
View	Select how you want to view the report. Options include **Chart** and **Table**. The Chart view plots attained percent against item categories. The Table view provides the values that correspond to the Chart view.
Fiscal Period Name	Select a fiscal period.

Additional reports that you can access from the Top – Consensus Tracking report are (in alphabetical order):

- Bottom Attained % by Customer.
- Bottom Attained % by Item.
- Bottom Attained % by Organization.
- Consolidated Analysis by Fiscal Period.

- Demand Fill by Fiscal Period.
- Top Attained % by Customer.
- Top Attained % by Item.
- Top Attained % by Organization.

Users can also access the Sales and Operations Planning application by clicking the Consensus Forecast Product Category link.

Forecast - Scenario Comparison

The Forecast - Scenario Comparison report enables the sales and operations planning analyst to determine how forecast data differs between the baseline and comparison scenarios.

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
Measure	Select the measure that you would like to view. Options include **Bookings Forecast**, **Consensus Forecast**, **Marketing Forecast**, **Sales Forecast**, and **Shipment Forecast**.

Additional reports that you can access from the Forecast – Scenario Comparison report are (in alphabetical order):

- Forecast Distribution by Operating Unit.
- Forecast Distribution by Product Category.
- Top Unit Volume by Organization.
- Top Unit Volume by Product Category.

Users can also access the Sales and Operations Planning application by clicking the Consensus Forecast Product Category link.

Using the Supply Review Page

This section provides an overview of the Supply Review page and discusses:

- Consolidated Analysis.

- Demand Fill.
- Production to Plan by Organization.
- Production Plan.
- Top - Supplier Item Utilization.
- Top - Total Resource Utilization by Organization.
- Consolidated - Scenario Comparison.

Understanding the Supply Review Page

The Supply Review page maps to the second phase of the Sales and Operations Planning business process. It provides the Sales and Operations Planning analyst the information to answer these questions:

- How are product categories performing?
- Are we supply-constrained?
- Are we producing to the plan?
- Where are we resource-constrained?
- Where are we supplier-constrained?

To access the Supply Review page:

1. Select the Sales and Operations Planning Analyst responsibility.
2. Select Sales and Operations Planning Dashboard.
3. Select the Supply Review tab.

Page-Level Filters

Page-level filters are provided at the top of the Supply Review page. Page level filters are used to filter the results of the work areas.

This table lists the page-level filters for the Supply Review page:

Filter	Description
Comparison Scenario	Select from a list of scenarios with which to compare to a baseline scenario. Multiple scenarios can be selected. This is a required field.
Baseline Scenario	Select from a list of scenarios to be used as the baseline. Only one scenario can be selected. This is a required field.
Fiscal Year	Select from a list of fiscal years. Multiple years can be selected. This is an optional field.
Category Description (Inv. Items)	Select from a list of item categories. Only one category can be selected. This is an optional field.
Organization Code	Select from a list of organizations. Multiple organizations can be selected. This is an optional field.

Consolidated Analysis

The Consolidated Analysis report enables the sales and operations planning analyst to determine whether sufficient inventory is available to meet demand and safety stock levels.

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select the option that you want to view. Options include • **Units** – displays total demand, total supply, projected available balance in units, and safety stock. • **Turns/Cover** – displays projected available balance in days of cover and inventory turns. • **Currency** – displays projected available balance in value. • **Table** – displays all measures over the horizon.

Additional reports that you can access from the Consolidated Analysis report are (in alphabetical order):

- Bottom-Inventory Turns by Organization.
- Bottom-Inventory Turns by Product Category.
- Consolidated Analysis by Fiscal Period.
- Consolidated Analysis – Unit Breakdown by Organization.
- Inventory Value – Distribution by Organization.
- Top-Inventory Turns by Organization.
- Top-Inventory Turns by Product Category.
- Top Inventory Value by Organization.
- Top Inventory Value by Product Category.

Users can also access the Sales and Operations Planning application by clicking the Consolidated Plan Product Category link.

Demand Fill

The Demand Fill report enables the sales and operations planning analyst to determine whether the unconstrained, consensus forecast that is received by the Sales and

Operations Planning application could be achieved on the supply side.

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select the option that you want to view. Options include • **Fill Chart**: Displays the percent of demand fulfillment and the percent of project demand fulfillment. • **Forecast Chart**: Displays shipment history, consensus forecast, and constrained forecast. • **Table**: Displays all measures over the horizon.

Additional reports that you can access from the Demand Fill report are (in alphabetical order):

- Bottom – Demand Fill % by Customer.
- Bottom – Demand Fill % by Item.
- Bottom – Demand Fill % by Organization.
- Bottom – Demand Fill % by Product Category.
- Demand Fill by Fiscal Period.
- Demand Shortfall by Organization – units.
- Demand Shortfall by Product Category – units.
- Top Demand Fill % by Customer.
- Top Demand Fill % by Organization.
- Top Demand Fill % by Item.

Users can also access the Sales and Operations Planning application by clicking the Constrained Forecast Product Category link.

Production to Plan by Organization

The Production to Plan by Organization report enables the sales and operations planning analyst to review relative performance-to-plan for production by organization and by period using the combination of a line graph and a bar graph. This report provides a visual cue of relative differences when the column height and line graph differs between organizations.

Actual Production and Production Adherence is displayed below for each organization.

In addition to the page level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select the option that you would like to view. Options include: • **Chart** – displays production history as a bar graph and respective production to plan percent as a line graph. • **Table** – displays all measures over the horizon.

Additional reports that can be accessed from the Production to Plan by Organization report are (in alphabetical order):

- Bottom – Production to Plan by Item.
- Bottom – Production to Plan by Product Category.
- Production Plan by Fiscal Period.
- Resource Utilization.
- Top - Production to Plan by Item.
- Top – Production to Plan by Product Category.

Users can also access the Sales and Operations Planning application by clicking on the Production Plan Product Category link.

Production Plan

The Production Plan report enables the sales and operations planning analyst to compare production to plan adherence percent between the baseline and comparison

scenarios. This report displays the production plan over the time horizon. Production history is displayed for historical periods.

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select the option that you want to view. Options include • **Chart**: Displays production history and the production plan as a bar graph. • **Table**: Displays all measures over the horizon.

Additional reports that you can access from the Production Plan report are (in alphabetical order):

- Bottom – Production to Plan by Item.
- Bottom – Production to Plan by Product Category.
- Production Plan by Fiscal Period.
- Top - Production to Plan by Item.
- Top – Production to Plan by Product Category.

Users can also access the Sales and Operations Planning application by clicking the Production Plan Product Category link.

Top – Supplier Item Utilization

The Top – Supplier Item Utilization report enables the sales and operations planning analyst to review the most utilized supplier items for all suppliers. The report is displayed for the selected baseline scenario.

In addition to the page-level filters at the top of the page, users can specify these filters for the report:

Field	Description
View	Select the option that you want to view. Options include • **Chart** : Displays the percent of supplier capacity utilization over a fiscal period as a bar graph. • **Table** : Displays all measures over the horizon.
Fiscal Period	Select the fiscal period that you want to view.

Additional reports that you can access from the Top – Supplier Item Utilization report are (in alphabetical order):

- Item Supplier Capacity.
- Supplier Item Capacity.

Top – Total Resource Utilization by Organization

The Top – Total Resource Utilization by Organization report enables the sales and operations planning analyst to view total resource utilization ranked by organization for the baseline scenario.

In addition to the page-level filters at the top of the page, users can specify these filters for the report:

Field	Description
View	Select the option that you want to view. Options include: • **Chart**: Displays the percent of resource utilization for an organization given a fiscal period as a bar graph. • **Table**: Displays all measures over the horizon.
Fiscal Period	Select the fiscal period that you want to view.

Additional reports that you can access from the Top – Total Resource Utilization by Organization report are (in alphabetical order):

- Production Plan by Fiscal Period.
- Top – Resource Utilization.
- Top – Resource Utilization by Organization.
- Total Resource Utilization by Organization.

Users can also access the Sales and Operations Planning application by clicking the Resource Rough Cut Capacity Plan link.

Consolidated – Scenario Comparison

The Consolidated – Scenario Comparison report enables the sales and operations planning analyst to determine whether sufficient inventory is available to meet demand and safety stock levels, which is the same as the Consolidated Analysis report. However, the Consolidated – Scenario Comparison report supports direct scenario comparison of each measure individually. The report provides a visual cue of comparative differences when the lines diverge between scenarios.

In addition to the page level filters at the top of the page, users can specify this filter for the report:

Field	Description
Measure	Select the option that you want to view. Options include **PAB (projected available balance) – units**, **PAB – value**, **PAB – Days of Cover**, **Inventory Turns**, **Safety Stock**, **Total Supply**, **Total Demand**.

Additional reports that you can access from the Consolidated – Scenario Comparison report are (in alphabetical order):

- Bottom – Inventory Turns by Organization.
- Bottom – Inventory Turns by Product Category.
- Consolidated Analysis by Fiscal Period.
- Consolidated Analysis – Unit Breakdown by Organization.
- Inventory Value – Distribution by Organization.

- Top – Inventory Turns by Organization.
- Top – Inventory Turns by Product Category.
- Top Inventory Value by Organization.
- Top Inventory Value by Product Category.

Users can also access the Sales and Operations Planning application by clicking the Consolidated Plan Product Category link.

Using the Executive Review Page

This section provides an overview of the Executive Review page and discusses:

- Consolidated Analysis.
- Profit and Loss Statement.
- Constrained Forecast Comparison.
- Cumulative Budget Analysis.
- Key Performance Indicators.

Understanding the Executive Review Page

The Executive Review page maps to the final phase of the Sales and Operations Planning business process. It provides the Sales and Operations Planning analyst the information to answer these questions:

- How are we performing financially to our plan?
- Are we above our budget and if so, in which areas?
- What are our performance metrics?

To access the Executive Review page:

1. Select the Sales and Operations Planning Analyst responsibility.
2. Select Sales and Operations Planning Dashboard.
3. Select the Executive Review tab.

Page-Level Filters

Page-level filters are provided at the top of the Executive Review page. Page level filters

are used to filter the results of the work areas.

This table lists the page-level filters for the Executive Review page:

Filter	Description
Comparison Scenario	Select from a list of scenarios by which to compare to a baseline scenario. Multiple scenarios can be selected. This is a required field.
Baseline Scenario	Select from a list of scenarios to be used as the baseline. Only one scenario can be selected. This is a required field.
Category Description (Inv. Items)	Select from a list of item categories. Only one category can be selected. This is an optional field.
Fiscal Year	Select from a list of fiscal years. Multiple years can be selected. This is an optional field.

Consolidated Analysis

The Consolidated Analysis report that appears on the Executive Review tab is the same as the Consolidated Analysis report that appears on the Supply Review tab.

See Consolidated Analysis, page 6-10

Profit and Loss Statement

The Profit and Loss Statement report enables the sales and operations planning analyst to determine the integrated financial performance of the organization. The analyst can compare relative performance between the baseline and comparison scenarios where supply and demand is not the same.

In addition to the page level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select the option that you would like to view. Options include: • **Non Cumulative Profit & Loss Chart** - displays revenue, costs, and margin as a bar chart with margin percent as a line chart over fiscal quarters. • **Non Cumulative Profit & Loss Table** - displays all measures over the time period.

Additional reports that can be accessed from the Profit and Loss Statement report are (in alphabetical order):

- Cost by Organization.
- Cost by Type.
- Margin by Organization.
- Profit and Loss Statement by Fiscal Period.
- Revenue by Organization.

Users can also access the Sales and Operations Planning application by clicking on the Financial Summary Product Category Worksheet link.

Constrained Forecast Comparison

The Constrained Forecast Comparison report is similar to the Forecast Comparison report on the Demand Review tab except that the former includes constrained forecasts.

See Forecast Comparison, page 6-3.

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include: • **Demand in Units (Chart)**: Plots shipment history, consensus forecast, sales forecast, marketing forecast, consensus forecast, and constrained forecast over fiscal periods. • **Demand in Units (Table)**: Provides the values that correspond to the Demand in Units (Chart). • **Demand in Currency (Chart)**: Plots the shipment history value, sales forecast value, marketing forecast value, consensus forecast value, constrained forecast value, and budget over fiscal periods. All values are in the reporting currency. • **Demand in Currency (Table)**: Provides the values that correspond to the Demand in Currency (Chart).

Additional reports that you can access from the Constrained Forecast Comparison report are (in units and in alphabetical order):

- Top Abs (absolute) Diff (difference) – Consensus and Constrained by Organization.
- Top Abs % (percent) Diff – Consensus and Constrained by Organization.
- Top Abs Diff – Consensus and Constrained by Product Category.
- Top Abs % Diff – Consensus and Constrained by Product Category.

Additional reports that you can access from the Constrained Forecast Comparison report are (in currency and in alphabetical order):

- Top Abs Diff (Currency) – Consensus and Budget by Organization.
- Top Abs Diff (Currency) – Consensus and Budget by Production Category.
- Top Abs Diff – Consensus and Constrained by Organization.

- Top Abs Diff – Consensus and Constrained by Product Category.
- Top Abs % (percent) Diff (Currency) – Consensus and Budget by Organization.
- Top Abs % Diff (Currency) – Consensus and Budget by Production Category.
- Top Abs % Diff – Consensus and Constrained by Organization.
- Top Abs % Diff – Consensus and Constrained by Product Category.

Users can also access the Sales and Operations Planning application by clicking the Cumulative Plan Product Category Worksheet link.

Cumulative Budget Analysis

The Cumulative Budget Analysis report enables the sales and operations planning analyst to determine whether the organization will meet its budget by the end of the fiscal year.

In addition to the page-level filters at the top of the page, users can specify this filter for the report:

Field	Description
View	Select how you want to view the report. Options include **Chart** and **Table**. The chart view plots the constrained forecast cumulative value and the budget over fiscal quarters. The table view provides the values that correspond to the Chart view.

An additional report that can be accessed from the Cumulative Budget Analysis report is the Top – Budget Shortfall by Product Category report. Users can also access the Sales and Operations Planning application by clicking on the Cumulative Plan Product Category Worksheet link.

Key Performance Indicators

The Key Performance Indicators reports enable the sales and operations planning analyst to determine how the organization is performing. The analyst can compare relative performance between the baseline and comparison scenarios.

Additional reports that you can access from the Key Performance Indicators reports are (in alphabetical order):

- Bottom – 8 week Forecast Accuracy by Product Category.

- Bottom – 8 week Forecast Accuracy by Organization.
- Bottom – Perfect Order Index by Product Category.
- Bottom – Perfect Order Index by Organization.
- Bottom – Shipments to Plan by Product Category.
- Bottom – Shipments to Plan by Organization.
- Consolidated Analysis by Fiscal Period.
- Inventory Turns by ABC Class.
- Inventory Value – Distribution by Organization.
- Perfect Order Index by Product Category.
- Safety Value – Distribution by Organization.
- Top – Days of Cover by Item.

Sales and Operations Planning Analyst Secondary Drill-Down Reports

Primary reports are located on the three tabs in the Sales and Operations Planning Analyst Dashboard: Demand Review, Supply Review, and Executive Review.

Secondary reports are reports that you access from the primary reports. They often appear in the context of the primary report. That is, if the primary report is displaying the product category, then the secondary report displays product category.

This table lists secondary reports for the Sales and Operations Planning Analyst Dashboard in alphabetical order:

Report Name	Measures or Facts	Dimension or View by
Actual Backlog Distribution by: • Operating Unit • Organization • Product Category	Actual Back	Operating Unit Organization Product Category

Report Name	Measures or Facts	Dimension or View by
Bottom – 8 week Forecast Accuracy by: • Item • Organization • Product Category	Consensus forecast accuracy – MAPE – 8 week	Item Organization Product Category
Bottom Attained % by: Customer Item Organization Product Category	Booking history, consensus forecast	Customer Item Organization Product Category
Bottom – Demand Fill % by: Customer Item Organization Product Category	Consensus forecast, shipment history, constrained forecast	Customer Item Organization Product Category
Bottom - Inventory Turns by: Item Item – ABC class Organization Product Category	Inventory Turns	Item Organization Product Category
Bottom – Perfect Order Index by: Item Organization Product Category	Perfect order index	Item Organization Product Category

Report Name	Measures or Facts	Dimension or View by
Bottom – Production to Plan by: Item Product Category	Production history, production plan, production to plan	Item Product Category
Bottom – Shipments to Plan by: Item Organization Product Category	Shipments to plan	Item Organization Product Category
Consolidated Analysis by Fiscal Period	Projected available balance (PAB) – units, safety stock, total supply, total demand, PAB – days of cover, inventory turns, PAB – value (reporting currency)	Baseline scenario
Consolidated Analysis – Unit Breakdown by Organization	PAB – units	Organization
Cost by Organization	Cost	Organization
Cost by Type	Cost	Product Category Organization
Demand Fill by Fiscal Period	Consensus forecast, shipment history, constrained forecast	Baseline scenario Comparison scenario
Demand Shortfall by: Organization – units Product Category – units	Unmet demand – units (forecast)	Organization Product Category

Report Name	Measures or Facts	Dimension or View by
Forecast Accuracy by Fiscal Period	Consensus Forecast accuracy - MAPE - 4 week, Consensus Forecast accuracy - MAPE - 8 week, Consensus Forecast accuracy - MAPE - 13 week	Baseline scenario
Forecast Comparison	Consensus forecast, sales forecast, marketing forecast, consensus forecast – value (reporting currency), sales forecast – value (reporting currency), marketing forecast – value (reporting currency), budget (reporting currency), shipment history, shipment history – value (reporting currency)	Baseline scenario
Forecast Distribution by: Item Operating Unit Organization Product Category	Consensus forecast, consensus forecast – value (reporting currency), consensus forecast - cumulative	Item Operating Unit Organization Product Category
Inventory Turns by ABC Class	Inventory Turns	Product Category
Inventory Value – Distribution by Organization	Projected available balance – value (reporting currency)	Organization
Item Supplier Capacity	Required supplier capacity, available supplier capacity (table only), net available cumulative capacity, supplier utilization percent	Supplier Supplier site Item
Margin by Organization	Margin	Organization

Report Name	Measures or Facts	Dimension or View by
Perfect Order Index by Product Category	Perfect Order Inde	Product Category
Production Plan by Fiscal Period	Production history, production plan, production to plan	Baseline scenario Comparison scenario
Profit and Loss Statement by Fiscal Period	Revenue, cost, margin, margin percent	Period
Projected Backlog Distribution by: Operating Unit Organization Product Category	Projected Backlog	Operating Unit Organization Product Category
Resource Utilization	Required capacity, available capacity, net available capacity, resource utilization percent	Resource and Organization
Revenue by Organization	Revenue	Organization
Safety Stock – Distribution by Organization	Safety Stock	Organization
Supplier Item Capacity	Required supplier capacity, available supplier capacity (table only), net available cumulative capacity, supplier utilization percent	Supplier Supplier site Item
Top Absolute Difference – Consensus and Constrained by: Customer Item Organization Product Category	Absolute difference = consensus forecast – constrained forecast	Customer Item Organization Product Category

Report Name	Measures or Facts	Dimension or View by
Top Absolute Difference – Consensus and Marketing by: Organization Product Category	Absolute difference = consensus forecast – marketing forecast	Organization Product Category
Top Absolute Difference – Consensus and Sales by: Customer Item Organization Product Category	Absolute difference = consensus forecast – sales forecast	Customer Item Organization Product Category
Top Absolute Difference (Currency) – Consensus and Budget by: Customer Item Organization Production Category	Absolute difference = Consensus forecast – value (reporting currency) – budget (reporting currency)	Customer Item Organization Production Category
Top Absolute Difference (Currency) – Consensus and Constrained by: Customer Item Organization Production Category	Absolute difference = consensus forecast – value (reporting currency) – constrained forecast – value (reporting currency)	Customer Item Organization Production Category
Top Absolute Difference (Currency) – Consensus and Marketing by: Organization Product Category	Absolute difference = consensus forecast – value (reporting currency) – Marketing forecast - value (reporting currency)	Organization Product Category

Report Name	Measures or Facts	Dimension or View by
Top Absolute Difference (Currency) – Consensus and Sales by: Organization Product Category	Absolute difference = consensus forecast – value (reporting currency) – sales forecast – value (reporting currency)	Organization Product Category
Top Absolute % (percent) Difference – Consensus and Constrained by: Customer Item Organization Product Category	Absolute percent difference = (consensus forecast – constrained forecast) / consensus forecast x 100	Customer Item Organization Product Category
Top Absolute % Difference – Consensus and Marketing by: Organization Product Category	Absolute percent difference = (consensus forecast – marketing forecast) / consensus forecast x 100	Organization Product Category
Top Absolute % Difference – Consensus and Sales by: Customer Item Organization Product Category	Absolute percent difference = (consensus forecast – sales forecast) / consensus forecast x 100	Customer Item Organization Product Category
Top Absolute % Difference (Currency) – Consensus and Budget by: Organization Product Category	Absolute percent difference = (consensus forecast – value (reporting currency) – budget (reporting currency)) / consensus forecast – value (reporting currency) x 100	Organization Product Category

Report Name	Measures or Facts	Dimension or View by
Top Absolute % Difference (Currency) – Consensus and Constrained by: Customer Item Organization Product Category	Absolute percent difference = consensus forecast – value (reporting currency) – constrained forecast – value (reporting currency)) / consensus forecast – value (reporting currency) x 100	Customer Item Organization Product Category
Top Absolute % Difference (Currency) – Consensus and Marketing by: Organization Product Category	Absolute percent difference = (consensus forecast – value (reporting currency) – marketing forecast - value (reporting currency)) / consensus forecast – value (reporting currency) x 100	Organization Product Category
Top Absolute % Difference (Currency) – Consensus and Sales by: Organization Product Category	Absolute percent difference = (consensus forecast – value (reporting currency) – sales forecast - value (reporting currency)) / consensus forecast – value (reporting currency) x 100	Organization Product Category
Top Absolute % Difference (Currency) – Constrained and Budget by: Customer Item Organization Product Category	Absolute percent difference = (constrained forecast – value (reporting currency) – budget (reporting currency)) / constrained forecast – value (reporting currency) x 100	Customer Item Organization Product Category
Top Actual Backlog by: Customer Item Organization Product Category	Actual Backlog	Customer Item Organization Product Category

Report Name	Measures or Facts	Dimension or View by
Top Attained % by: Customer Item Organization	Booking history, consensus forecast	Customer Item Organization
Top Budget Shortfall by Product Category	Constrained forecast cumulative value, budget cumulative value	Product Category
Top – Days of Cover by Item	PAB – days of cover	Item
Top Demand Fill % by: Customer Item Organization Product Category	Consensus forecast, shipment history, constrained forecast	Customer Item Organization Product Category
Top Demand Shortfall by item	Unmet demand – units (forecast)	Item
Top – Inventory Turns by: Item Organization Product Category	Inventory Turns	Item Organization Product Category
Top Inventory Value by: Item Organization Product Category	Projected available balance (PAB) – value (reporting currency)	Item Organization Product Category
Top - Production to Plan by: Item Product Category	Production history, production plan, production to plan	Item Product Category

Report Name	Measures or Facts	Dimension or View by
Top Projected Backlog by: Customer Item Organization Product Category	Projected Backlog	Customer Item Organization Product Category
Top – Resource Utilization	Required capacity, available capacity, net available capacity, resource utilization percent	Baseline scenario Resource Organization
Top – Resource Utilization by Organization	Required capacity, available capacity, net available capacity, resource utilization percent	Organization
Top Safety Stock by Item	Safety Stock	Item
Total Resource Utilization by Organization	Required capacity (table only), available capacity (table only), net available capacity, resource utilization percent	Organization
Top Unit Volume by: Customer Item Organization Product Category	Consensus forecast, consensus forecast – value (reporting currency), consensus forecast - cumulative	Customer Item Organization Product Category

My Open Activities

When you are logged on, the two seeded dashboards, the Supply Chain Analyst dashboard and the Sales & Operations Planning Analyst dashboard, display an alert in the top right of the page whenever overdue open activities exist. This is based on a seeded iBot that is tied to a report called **My Open Activities**. When you click the alert icon, the **My Open Activities** table displays a complete list of all open activities for which you are the primary or secondary owner.

When you click an activity name in the My Open Activities table, the activities table in the Scenario management user interface opens and displays all the details of the activity. In this location, you can update the status, owner, and other details of the activity.

See **Working with Activities** in Chapter 2 for an understanding of planning activities.

A

BPEL Processes

This appendix covers the following topics:

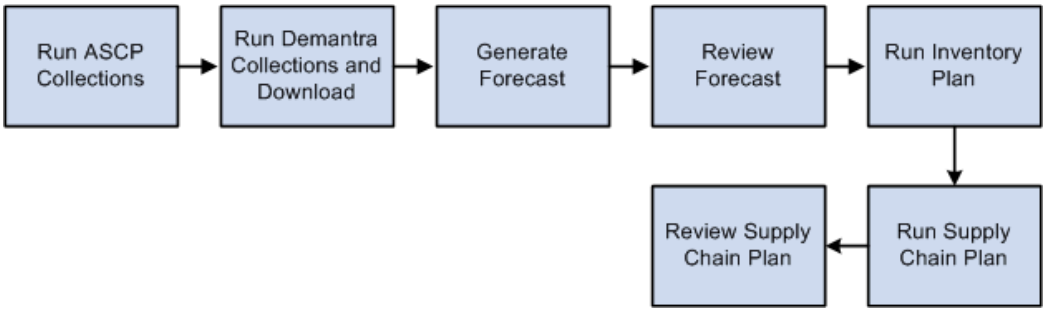
- The Forecast, Inventory, and Supply Planning Business Process
- The Sales and Operations Planning Business Process
- Custom Business Processes

The Forecast, Inventory, and Supply Planning Business Process

The sequence of the Forecast, Inventory, and Supply Planning subprocesses is:

1. Run the ASCP Collections subprocess.
2. Run the Demantra Collections and Download subprocess.
3. Launch the Forecast subprocess.
4. Review the Forecast subprocess.
5. Run the Inventory Plan subprocess.
6. Run the Supply Chain Plan subprocess.
7. Review the Supply Chain Plan subprocess.

This diagram illustrates the Forecast, Inventory, and Supply Planning business process:



Running the ASCP Collections Subprocess

The Forecast, Inventory, and Supply Planning business process flow starts with the ASCP Collections subprocess, and waits for it to finish. This subprocess begins by verifying that all detailed subprocesses and activities within the subprocess are executed.

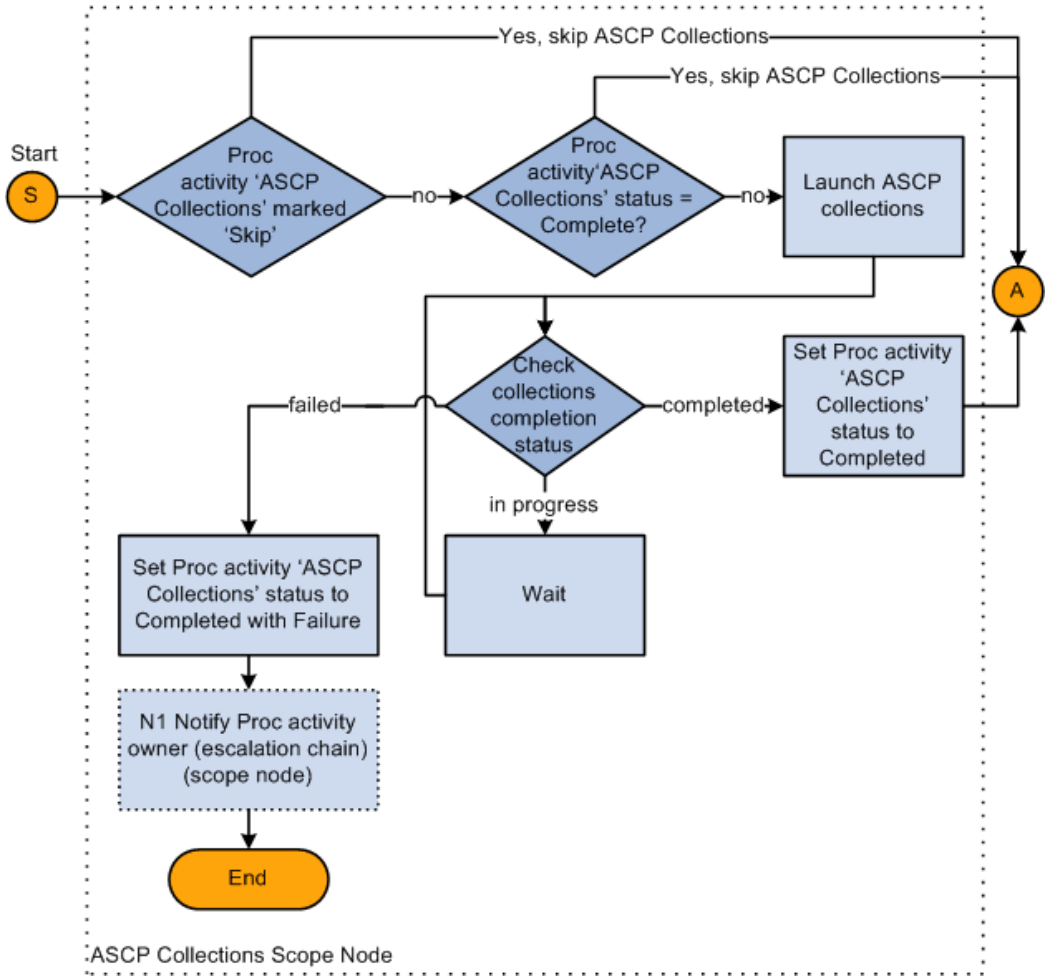
If the Skip check box is selected for an activity, the process bypasses that specific activity and proceeds with the next activity.

A user can do this if some planning process steps are not required for each planning cycle, for example, if forecasting and supply chain planning occur once every week, and inventory planning occurs once a month. In this case, the user can select the Skip check box for the Run Inventory Plan activity on the Planning Processes page for those planning cycles for which inventory optimization is not required.

See Accessing the Planning Processes Page, page 2-29

If an activity is complete, it is skipped. This may occur if a downstream activity goes into an error state, which halts the process. After the error is corrected, the process is relaunched. Depending on a user option, the process skips the completed activities and resumes with the first incomplete activity.

This diagram illustrates the Run ASCP Collections subprocess:



Understanding the Escalation Chain

The delivered BPEL processes use a two-tier escalation chain. Each activity can have a primary and an alternate owner. When the primary owner does not respond to a task within the time designated, ownership of the task transfers to the alternate owner.

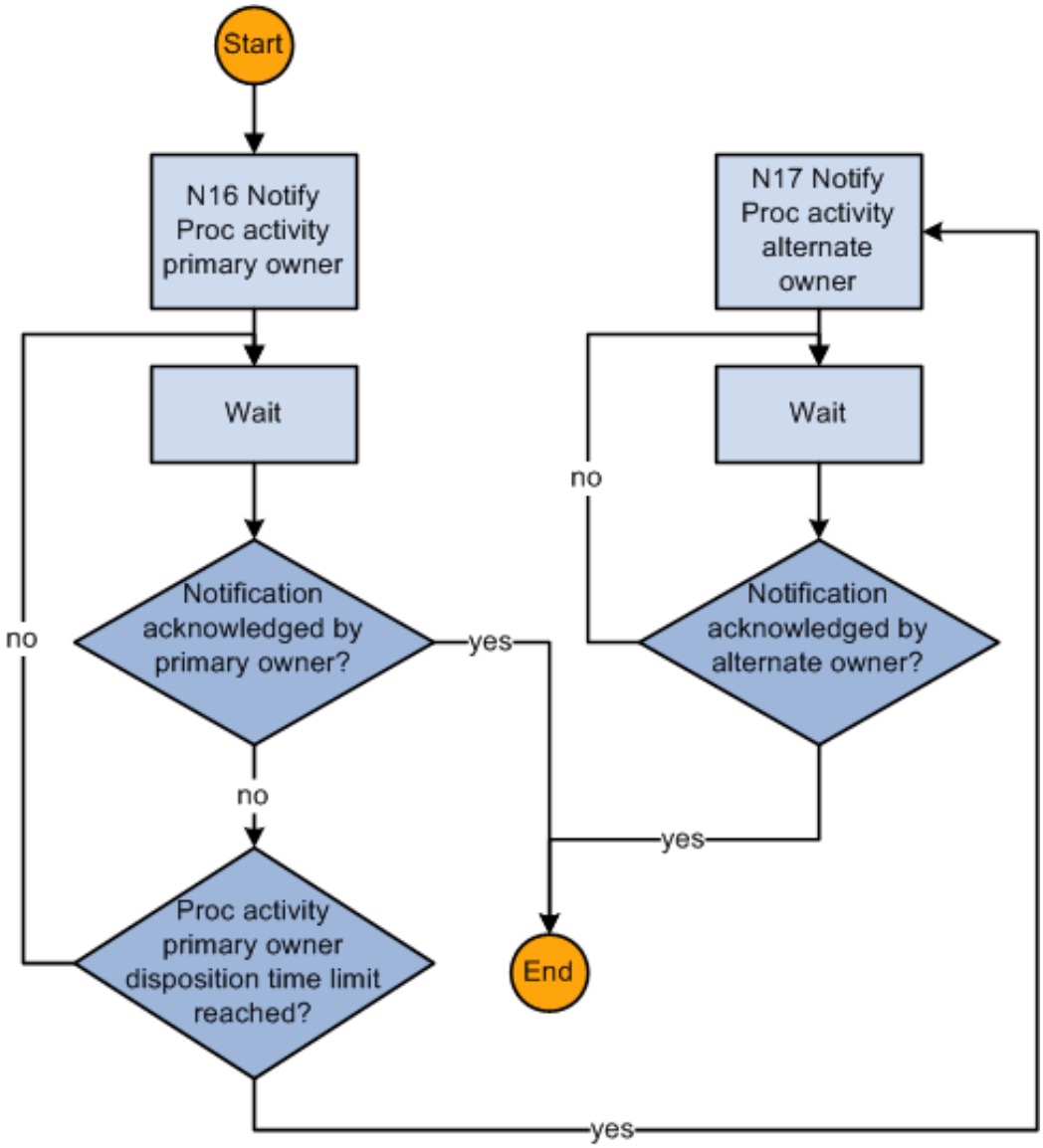
The primary owner, alternate owner, and designated due date are defined on the Process tab. See the Managing Scenarios chapter, Managing Scenarios section, Creating New Processes sub-section.

See Working with Planning Processes, page 2-29

For example, in the ASCP Collections subprocess, if the Collections activity goes into an error state, a notification is sent to the primary owner of the activity. If the primary owner does not acknowledge the error within the amount of time specified in the Finish by field, then a notification is sent to the alternate owner.

This logic is captured in the Notify Activity Owner (Escalation Chain) activity within the ASCP Collections subprocess.

This diagram illustrates the Notify Activity Owner subprocess:

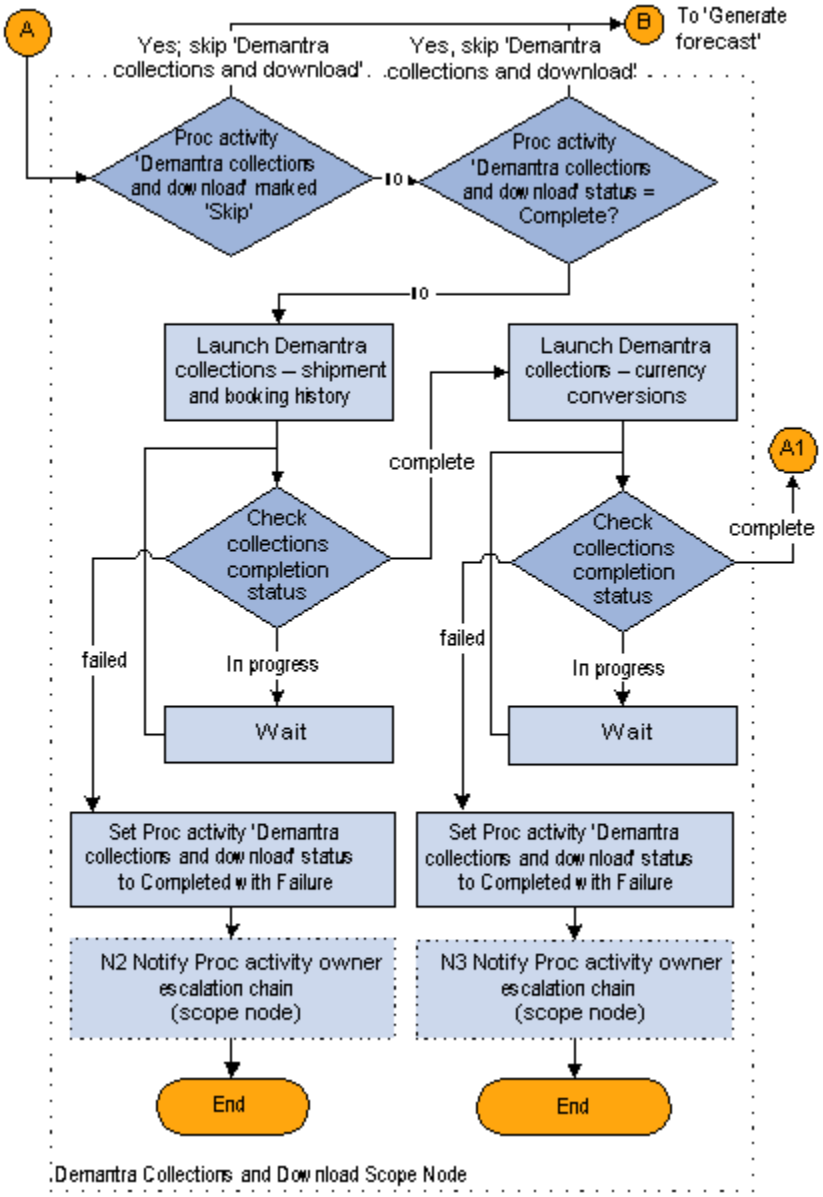


Running the Demantra Collections and Download Subprocess

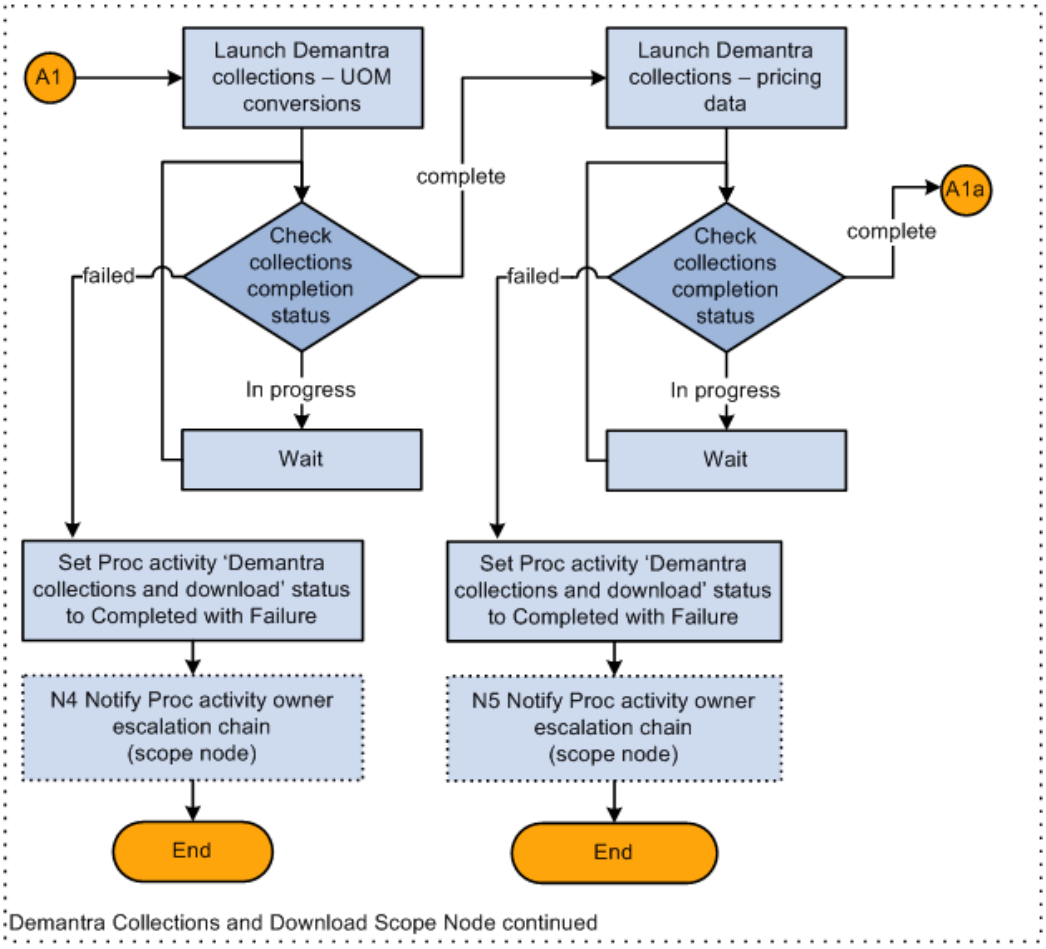
The Demantra Collections and Download subprocess begins when the ASCP Collections subprocess finishes. It executes a series of collection and download activities. It runs download activities by invoking Web services that exist in Demantra Demand Management workflows. This assumes that a generic Web service exists that takes a Demantra workflow name as a parameter and executes that workflow.

The BPEL process calls a Web service called Check Demantra Workflow Status, which determines when each download operation is complete. This assumes that a generic Web service exists that uses a Demantra workflow name as a parameter and returns the completed status of that workflow.

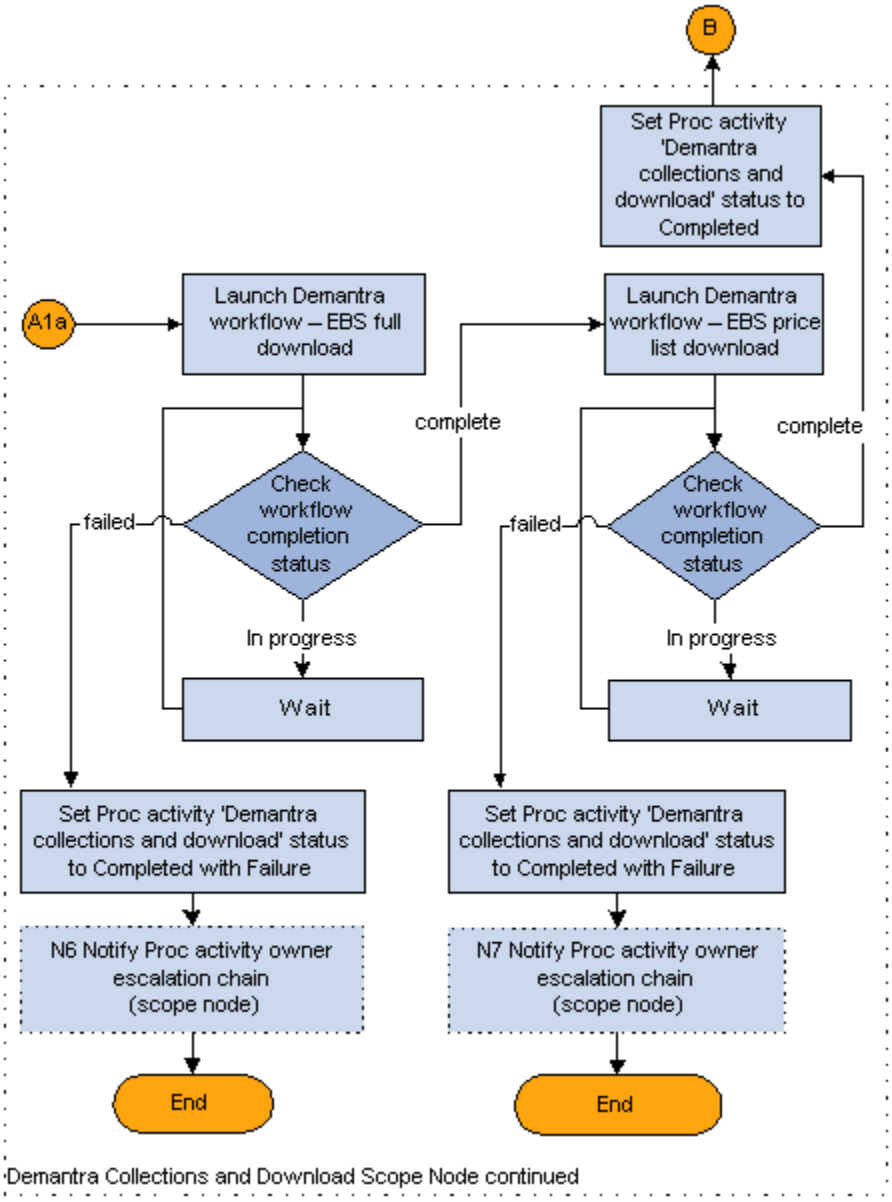
This is the first of three diagrams that illustrates the Run Demantra Collections and Download subprocess:



This is the second of three diagrams that illustrates the Run Demantra Collections and Download subprocess:



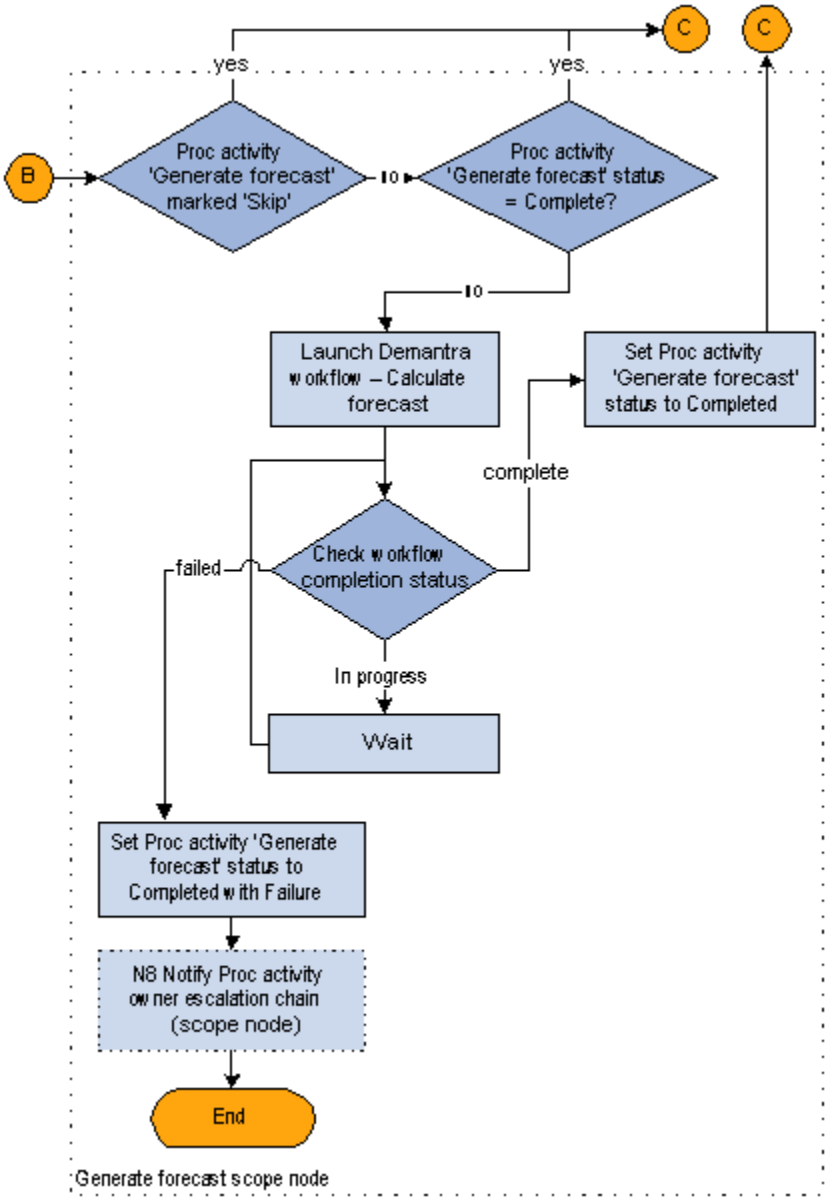
This is the final diagram that illustrates the Run Demantra Collections and Download subprocess:



Generating the Forecast Subprocess

The Generate the Forecast subprocess launches the Calculate Forecast workflow in Demantra Demand Management. This subprocess is the first half of the Forecast Calculation and Approval workflow.

This diagram illustrates the Generate Forecast subprocess:



Reviewing the Forecast Subprocess

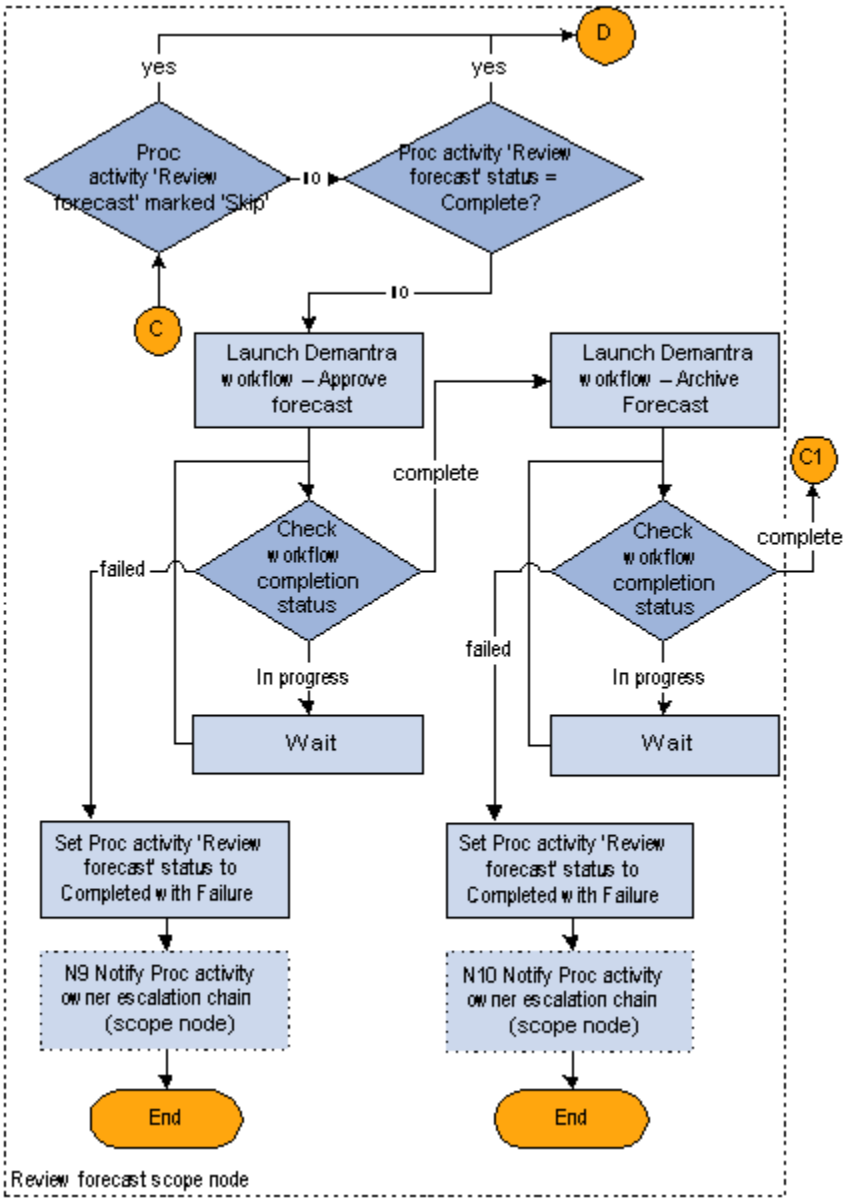
The Reviewing the Forecast subprocess launches the Approve Forecast workflow in Demantra Demand Management. This subprocess is the second half of the Forecast Calculation and Approval workflow.

When the Approve Forecast workflow finishes in Demantra Demand Management, the final forecast is automatically archived and uploaded to the planning server.

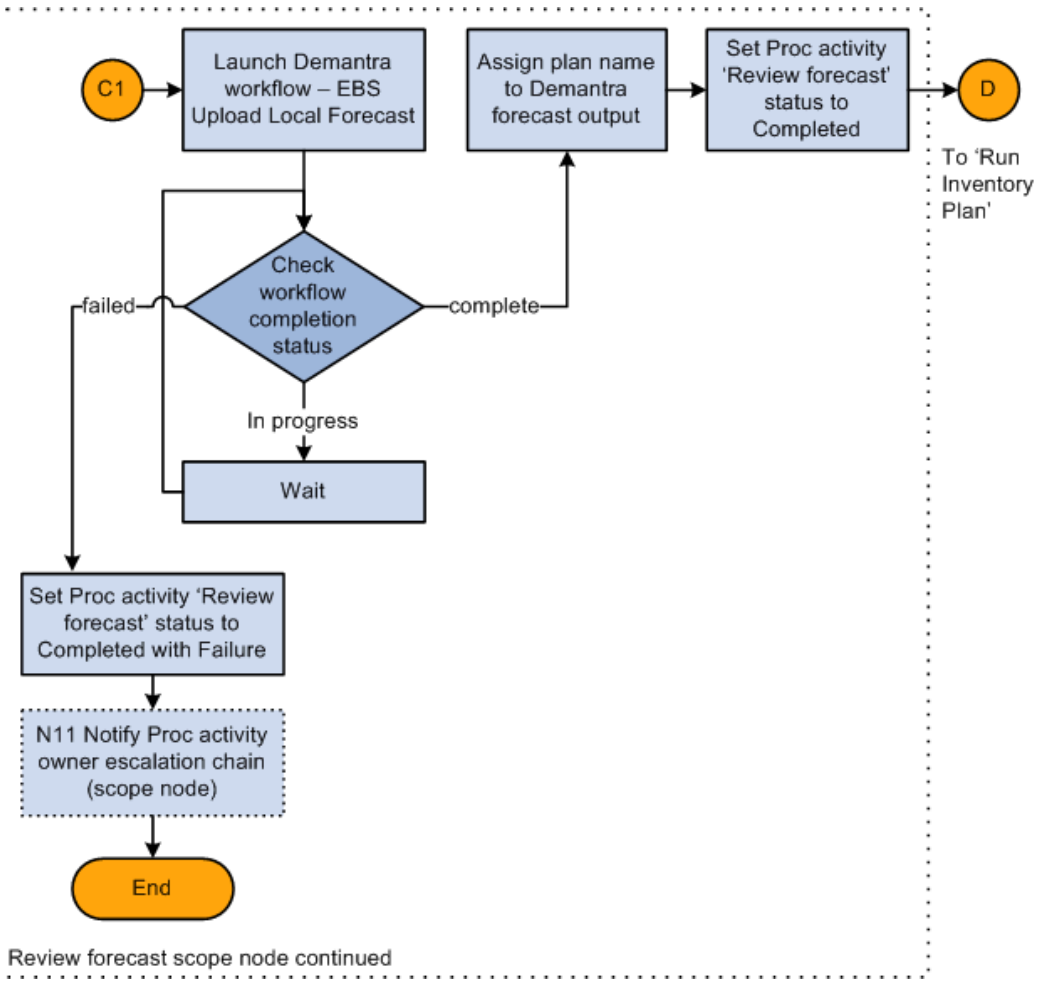
The **Assign plan name to Demantra forecast output** subprocess invokes a new service. This service changes the demand scenario name of the uploaded Demantra output from that of the export integration profile to a name of the user's choosing. The user specifies

this name in the process user interface. This covers the case in which multiple scenarios are being executed during the course of sales and operations planning.

This is the first of two diagrams that illustrate the Review Forecast subprocess:

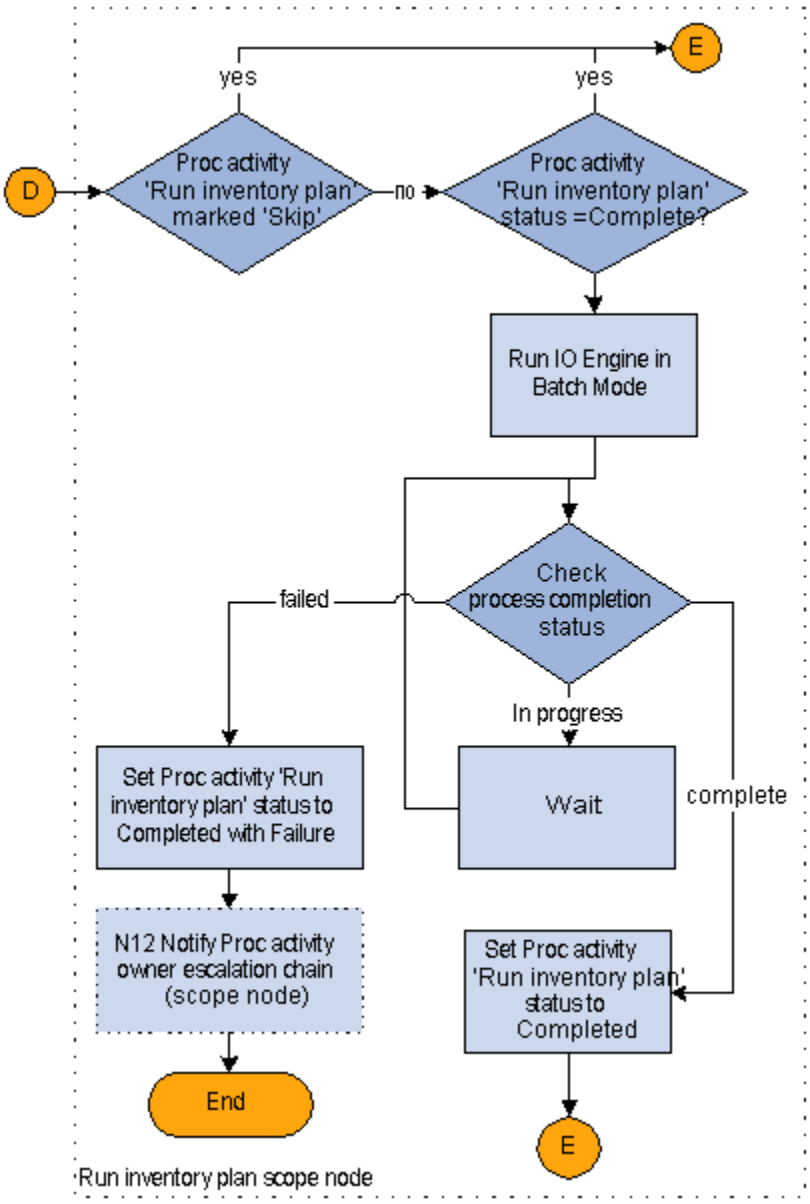


This is the final diagram that illustrates the Review Forecast subprocess:



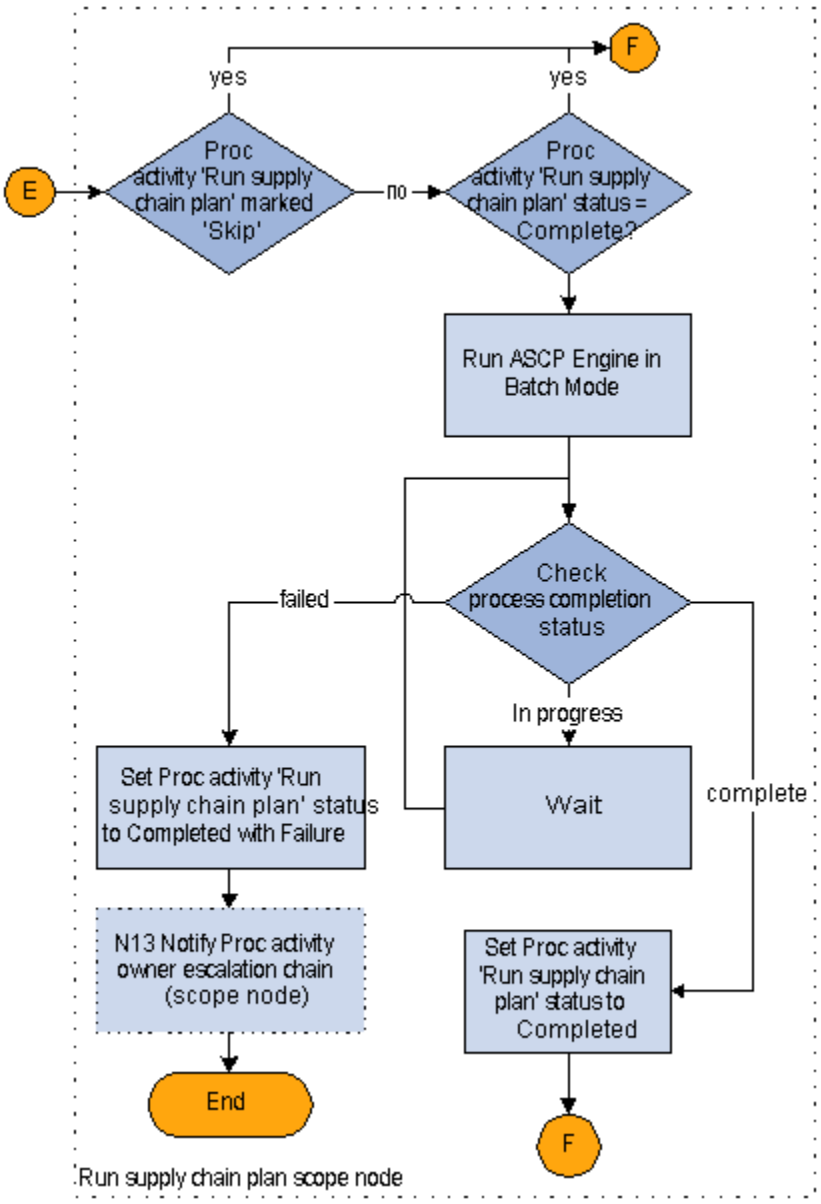
Running the Inventory Plan Subprocess

This diagram illustrates the Run Inventory Plan subprocess:



Running the Supply Chain Plan Subprocess

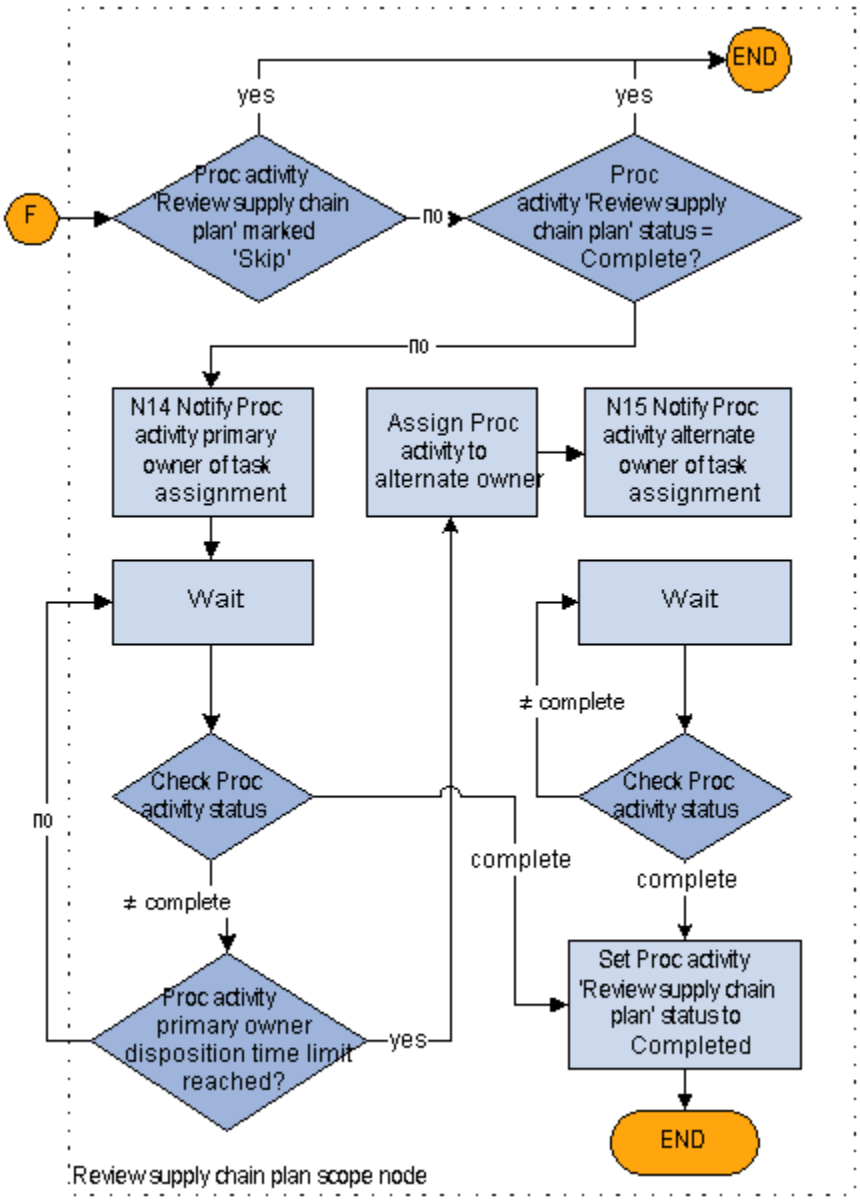
This diagram illustrates the Run Supply Chain Plan subprocess:



Reviewing the Supply Chain Plan Subprocess

The Review Supply Chain Plan subprocess notifies the owner of the activity to access the ASCP application to verify, change, and release the results. The escalation logic is executed if the primary owner does not respond to the notification within the amount of time specified in the Finish by field of the activity.

This diagram illustrates the Review Supply Chain Plan subprocess:



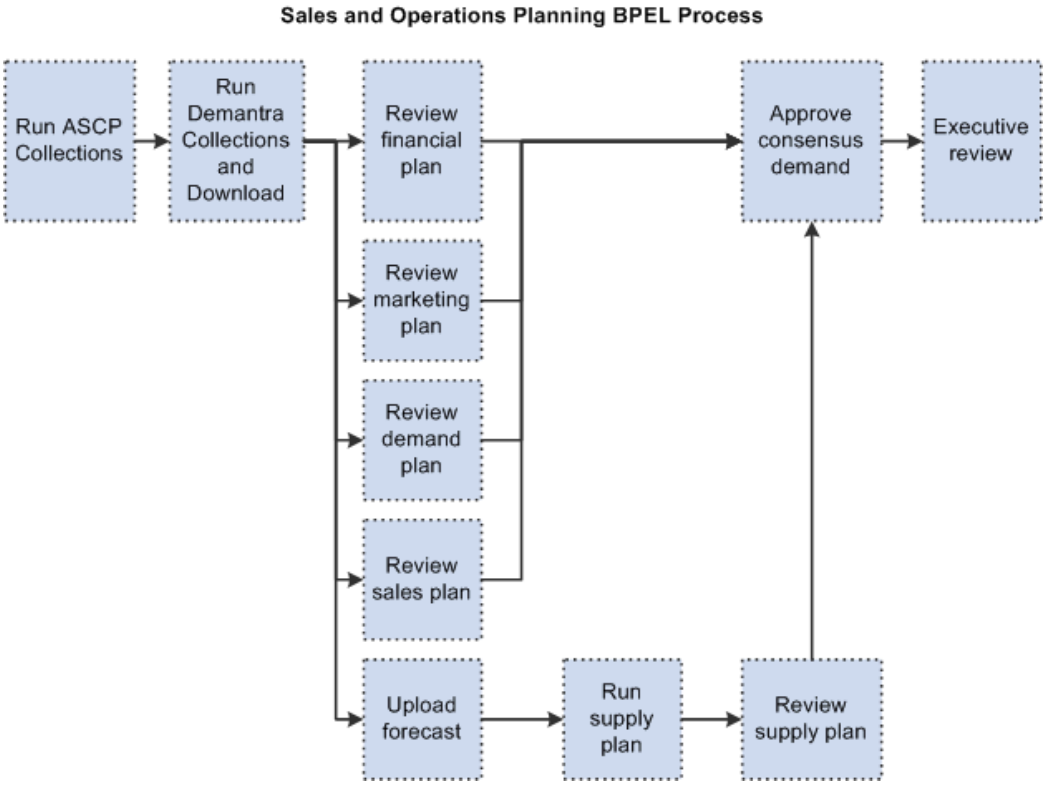
The Sales and Operations Planning Business Process

The sequence of the Sales and Operations Planning subprocesses is:

1. Run the ASCP Collections subprocess.
2. Run the Demantra Collections and Download subprocess.
3. Review the Financial Plan subprocess.
4. Review the Marketing Plan subprocess.

5. Review the Demand Plan subprocess.
6. Review the Sales Plan subprocess.
7. Upload the Forecast subprocess.
8. Run the Supply Plan subprocess.
9. Review the Supply Plan subprocess.
10. Approve the Consensus Demand subprocess.
11. Run an Executive Review subprocess.

This diagram illustrates the Sales and Operations Planning business process:



The basic structure of most subprocesses is similar to those of the Forecast, Inventory, and Supply Planning BPEL process. See BPEL Processes appendix, The Forecast, Inventory, and Supply Planning Business Process section.

See The Forecast, Inventory, and Supply Planning Business Process, page A-1

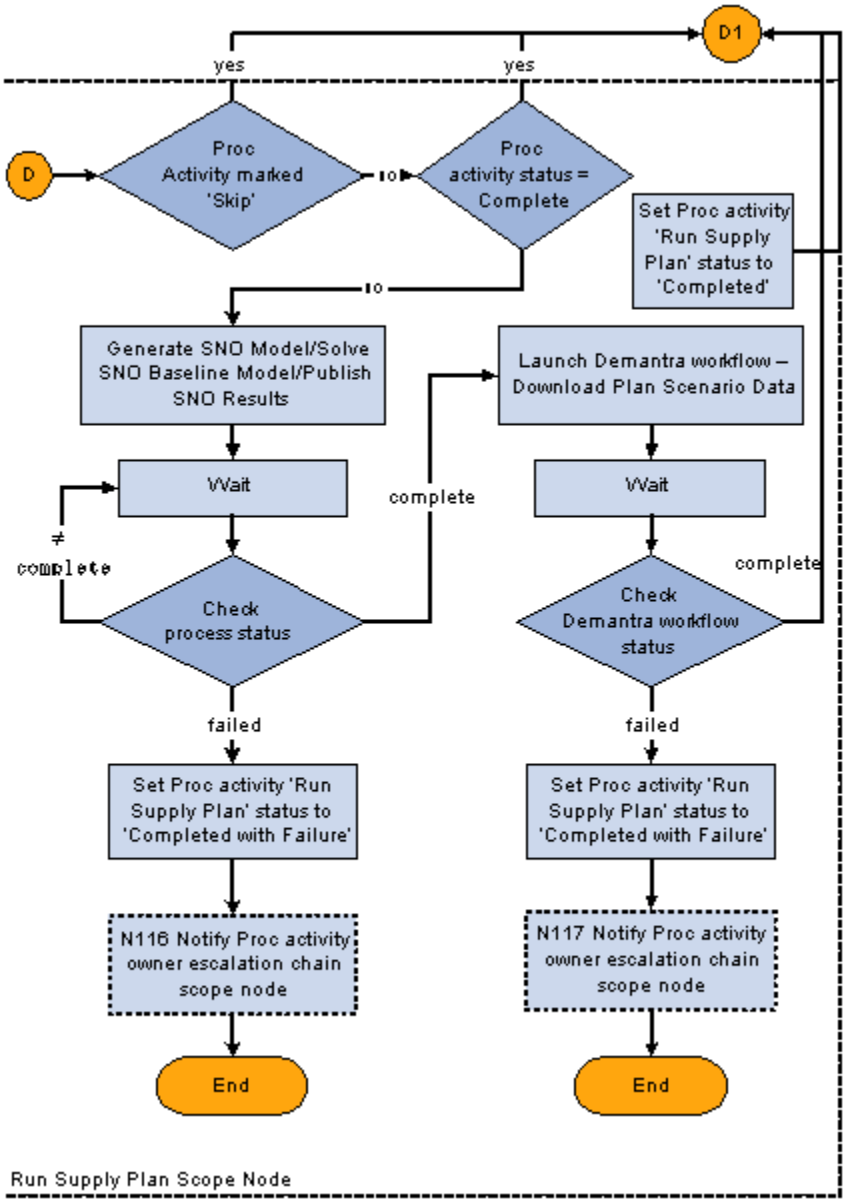
Running the Supply Plan Subprocess

The Run Supply Plan subprocess uses Oracle's Strategic Network Optimization (SNO)

application as the supply plan evaluation engine. The Sales and Operations Planning BPEL process automates the Real Time (RT) - Sales and Operations Planning to SNO to RT-Sales and Operations Planning cycle.

The Download Plan Scenario Data step requires a service, which can launch an existing workflow in Demantra Demand Management with a level member context.

This diagram illustrates the Run Supply Plan subprocess:



Custom Business Processes

In addition to the two seeded business processes that are described earlier in this

appendix, Oracle Advanced Planning Command Center also enables users to model a custom business process to meet specific needs by using any of the seeded web services. This is accomplished by means of BPEL. designer. The Web service operations that can be used are listed in the following table:

Release ASCP Recommendations	Upload Demand
Run ASCP Engine in Batch Mode	Upload Demand Class
Set ASCP Plan Options	Upload Demand Schedule/Supply Schedule
Run ASCP Collections	Upload Item
Run Demantra Collections - Currency Conversions	Upload Item Categories
Run Demantra Collections - Pricing Data	Upload Item Customer Mapping
Run Demantra Collections - Returns History	Upload Item Substitutes
Run Demantra Collections - SCI Data	Upload Item Supplier Flex Fence
Run Demantra Collections - Shipment and Booking History	Upload Job Operation Network
Run Demantra Collections - UOM Conversions	Upload Job Operation Resource
Run ODS Load	Upload Job Operation Resource Instance
Release DRP Results	Upload Job Operations
Run DRP Engine in Batch Mode	Upload Job Resource Requirements
Set DRP Plan Options	Upload Jobs
Run IO Engine in Batch Mode	Upload Location
Set IO Plan Options	Upload Manufacturing Resource
Get Promise Date	Upload Manufacturing Resource Instance
Copy Plan	Upload Network Routings

Purge Plan	Upload Order Types
Check Process Status	Upload Planner
Release SRP Results	Upload Planning Calendar
Run SRP Engine in Batch Mode	Upload Planning Calendar Dates
Set SRP Plan Options	Upload Planning Calendar Exceptions
Assign Plan Name	Upload Planning Calendar Period Start Date
Check Demantra Workflow Status	Upload Planning Calendar Shifts
Run Demantra Workflow	Upload Planning Calendar Week Start Dates
Run Demantra Workflow with Context	Upload Planning Calendar Workday Pattern
Terminate Demantra Workflow	Upload Planning Calendar Year Start Date
Notify user	Upload Planning Organization Parameters
Get Process Information	Upload Planning Shift Dates
Get Activity Information	Upload Planning Shift Exceptions
Get Parameter Values	Upload Planning Shift Times
Update Process	Upload Planning Shifts
Set Activity Status	Upload Planning Simulation Set
Generate SNO Model	Upload Project
Publish SNO Results	Upload Project Task
Download Forecast	Upload Region Site
Download Safety Stock	Upload Regions
Upload Forecast	Upload Reservations

Upload Planned Supply	Upload Resource Capacity
Upload Safety Stock	Upload Resource Group
Archive Plan	Upload Resource Instance Capacity
Archive Scenario	Upload Resource Instance Requirement
Upload Shipment and Booking History	Upload Resource Requirement
Create PO Acknowledgement	Upload Routing
Generate CP Exception	Upload Routing Operation Resources
Publish Order Forecast	Upload Routing Operation Sequence
Publish Supply Commit	Upload Routing Operations
Receive Supplier Capacity	Upload Sales Channels
Release CP Recommendations	Upload Sales Orders
Retrieve Exception from CP	Upload Serial Numbers
Retrieve Notifications from CP	Upload Shipment Method
Retrieve transactional data from CP	Upload Sourcing History
Retrieve VMI Status	Upload Sourcing Rule
Run VMI Engine	Upload Sourcing Rule Assignments
Upload Supplier Commit	Upload Sourcing Rule Details
Run Planning Data Pull	Upload Subinventory
Upload ABC Class	Upload Supplier Capacity
Upload Approved Supplier List	Upload Supply
Upload Available to Promise Rule	Upload Trading Partner Contacts

Upload Bill of Material	Upload Trading Partner Sites
Upload Bill of Material Component Substitutes	Upload Trading Partners
Upload Bill of Material Components	Upload Transportation Details
Upload Bill of Resource	Upload Unit Numbers
Upload Bills of Distribution	Upload Unit of Measure
Upload BIS KPI	Upload UOM Class Conversions
Upload Calendar Assignments	Upload UOM Conversion
Upload Carrier Service	Upload User Company Association
Upload Category Sets	Copy SNO Plan Options
Upload Co Products	Set SNO Plan Options
Upload Collaboration Security Rule	

All custom processes and activities that are built using these Web services must follow specific guidelines:

- Custom activities are self-contained and cannot accept parameters.
- Custom BPEL processes must follow a specific naming convention; the process name must start with 'APS'.

To deploy custom BPEL processes, you must:

1. Deploy the processes to the domain that is specified in the profile option MSC:BPEL Domain Name.
2. Run the concurrent program Read Planning Process Activities to import the process into the planning database.
3. Users can then use the Custom BPEL Process in the Scenario Management user interface to assign any new planning process.

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