Contents

Send Us Your Comments

Preface

1 Advanced Planning Command Center Overview
   Advanced Planning Command Center Overview.......................................................... 1-1
   Overview of Scenarios............................................................................................... 1-1
   Overview of Web Services......................................................................................... 1-2
   Overview of Dashboards........................................................................................... 1-2
   Overview of Collaborative Workspaces.................................................................... 1-2
       Collaboration Group............................................................................................... 1-3
       Collaboration Group Home Page........................................................................... 1-4
       Navigation Rules To and From the Collaboration Home Page............................ 1-5
   Executive Summary Report as a Portlet................................................................. 1-6
   Work List................................................................................................................... 1-6
   Data Security............................................................................................................. 1-7

2 Managing Scenarios
   Understanding Scenario Planning............................................................................ 2-1
   Using Scenario Planning......................................................................................... 2-1
   Working with Scenarios......................................................................................... 2-4
       Understanding the Scenarios Page....................................................................... 2-4
       Understanding Scenario States........................................................................... 2-4
       Accessing the Scenarios Page.............................................................................. 2-5
       Searching for Scenarios.................................................................................... 2-9
       Creating New Scenarios................................................................................... 2-10
3 Understanding Service - Enablement Planning Processes

Understanding Oracle's Advanced Planning Business Processes .................................. 3-1
The Forecast, Inventory, and Supply Planning Business Process ................................. 3-2
The Sales and Operations Planning Business Process ................................................. 3-3
Web Services .................................................................................................................. 3-4
Advanced Supply Chain Planning Web Services ....................................................... 3-4
Advanced Planning Suite Web Services ..................................................................... 3-5
Collections Web Services ............................................................................................ 3-6
Demantra Web Services ................................................................................................ 3-8
Distribution Planning Web Services ........................................................................... 3-9
Inventory Optimization Web Services ........................................................................ 3-10
Order Promising Web Service ..................................................................................... 3-10
Plan Management Web Services ............................................................................... 3-10
Scenario Management Web Services .......................................................................... 3-11
Service Parts Planning Web Service .......................................................................... 3-13
Strategic Network Optimization Web Services ......................................................... 3-13
Access to Embedded Demantra Worksheets .............................................................. 3-14

Working with Scenario Sets..................................................................................... 2-15
Understanding the Scenario Sets Page ...................................................................... 2-15
Accessing the Scenario Sets - Scenarios Page ....................................................... 2-15
Accessing the Scenario Sets Activities .................................................................. 2-17
Creating Scenario Sets ............................................................................................... 2-17
Editing Scenario Sets ............................................................................................... 2-18
Working with Activities .............................................................................................. 2-19
Understanding the Activities Page ........................................................................... 2-19
Accessing the Activities Page .................................................................................... 2-19
Editing Activities ......................................................................................................... 2-23
Working with Planning Processes .............................................................................. 2-23
Understanding the Planning Processes Page ............................................................ 2-23
Accessing the Planning Processes Page .................................................................... 2-24
Entering Parameters .................................................................................................... 2-27
Starting Planning Processes ....................................................................................... 2-28
Scheduling Planning Processes ................................................................................. 2-29
Terminating Planning Processes ................................................................................ 2-29
4 Understanding the Advanced Planning Analytical Framework

Understanding the Advanced Planning Command Center Analytical Framework .................. 4-1
Roles ........................................................................................................................................ 4-5
The Dimension Model ........................................................................................................... 4-5
  End Items and Parent Model ................................................................................................. 4-6
  Setting Parent or Top Model Granularity ........................................................................... 4-7
  End Item Dimension ............................................................................................................ 4-7
  Parent Model Dimension ..................................................................................................... 4-9
Measures and Hierarchies ...................................................................................................... 4-11
  Custom Product Hierarchies .............................................................................................. 4-11
    Custom Hierarchies and Other Dimensions ................................................................... 4-12
    Uploading Custom Hierarchies ....................................................................................... 4-12
    Uploading the .cvs File .................................................................................................... 4-14
  Custom Measures .............................................................................................................. 4-14
    Uploading Custom Measures ......................................................................................... 4-15
New Measures ...................................................................................................................... 4-15
The Inventory Analysis Functional Area .............................................................................. 4-17
The Overall Plan Health Functional Area ............................................................................ 4-22
The Supply Chain Costs and Profitability Functional Area .................................................... 4-25
The Replenishment Planning Functional Area ...................................................................... 4-35
The Demand Satisfaction Functional Area ........................................................................... 4-36
The Manufacturing Efficiency Functional Area .................................................................... 4-39
The Sourcing Efficiency Functional Area ............................................................................. 4-41
The Forecasting Functional Area ......................................................................................... 4-44
The Network Design Functional Area .................................................................................. 4-50
Oracle Rapid Planning Measures .......................................................................................... 4-52
Dashboards ............................................................................................................................ 4-55
Archiving Plans and Scenarios .............................................................................................. 4-56
APCC Archive Plan Summary ............................................................................................... 4-58
  Fine Tuning Your Data for Archive Plan Summary .............................................................. 4-58
  Defining Your Data ............................................................................................................. 4-59
Setting Your Data for Archiving .......................................................................................... 4-60
  Setting Time Granularity and Measures ......................................................................... 4-60
Accessing Item Attributes ................................................................................................... 4-61
Setting up Profile Options ................................................................................................... 4-62

5 Using the Supply Chain Analyst Dashboard

Understanding the Supply Chain Analyst Dashboard .......................................................... 5-1
  Overview of APCC Plan Details ......................................................................................... 5-2
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Understanding the Plan Details Tab</td>
<td>5-3</td>
</tr>
<tr>
<td>Understanding the Plan Detail Data Model</td>
<td>5-7</td>
</tr>
<tr>
<td>Launching and Archiving Plans in APCC Plan Details</td>
<td>5-9</td>
</tr>
<tr>
<td>Integration of Oracle Advanced Planning Command Center and Oracle Inventory Optimization</td>
<td>5-10</td>
</tr>
<tr>
<td>Managing Inventory Optimization Plans from Advanced Planning Command Center</td>
<td>5-10</td>
</tr>
<tr>
<td>Pushing Warehouse Capacity Facts and Dimensions to APCC</td>
<td>5-13</td>
</tr>
<tr>
<td>Understanding the Seeded Reports</td>
<td>5-14</td>
</tr>
<tr>
<td>Integration of Oracle Advanced Planning Command Center and Oracle Rapid Planning</td>
<td>5-14</td>
</tr>
<tr>
<td>Using the Plan Health Summary Page</td>
<td>5-15</td>
</tr>
<tr>
<td>Understanding the Plan Health Summary Page</td>
<td>5-15</td>
</tr>
<tr>
<td>Page Level Filters</td>
<td>5-16</td>
</tr>
<tr>
<td>Shipments and Production Trends</td>
<td>5-17</td>
</tr>
<tr>
<td>APCC Plan Details</td>
<td>5-18</td>
</tr>
<tr>
<td>Demand and Supply Summary</td>
<td>5-19</td>
</tr>
<tr>
<td>Resource Summary</td>
<td>5-20</td>
</tr>
<tr>
<td>Exception Summary Report</td>
<td>5-21</td>
</tr>
<tr>
<td>Launching a Plan From Within APCC</td>
<td>5-28</td>
</tr>
<tr>
<td>Releasing a Plan From Within APCC</td>
<td>5-30</td>
</tr>
<tr>
<td>Understanding the Orders User Interface Features</td>
<td>5-31</td>
</tr>
<tr>
<td>Using the Orders User Interface</td>
<td>5-36</td>
</tr>
<tr>
<td>Using the Demand and Supply Page</td>
<td>5-38</td>
</tr>
<tr>
<td>Understanding the Demand and Supply Page</td>
<td>5-38</td>
</tr>
<tr>
<td>Page Level Filters</td>
<td>5-39</td>
</tr>
<tr>
<td>Demand and Supply Summary</td>
<td>5-40</td>
</tr>
<tr>
<td>Demand Change by Customers</td>
<td>5-40</td>
</tr>
<tr>
<td>Supply Change by Categories</td>
<td>5-41</td>
</tr>
<tr>
<td>Demand and Supply Trend Across Plans</td>
<td>5-42</td>
</tr>
<tr>
<td>Demand and Supply Trend (Baseline Plan)</td>
<td>5-43</td>
</tr>
<tr>
<td>Total Demand by Customers (Baseline Plan)</td>
<td>5-44</td>
</tr>
<tr>
<td>Total Supply by Categories (Baseline Plan)</td>
<td>5-45</td>
</tr>
<tr>
<td>Understanding the Editable Material Plan</td>
<td>5-47</td>
</tr>
<tr>
<td>Using the Editable Material Plan</td>
<td>5-48</td>
</tr>
<tr>
<td>Understanding the Editable Material Plan General Layout</td>
<td>5-49</td>
</tr>
<tr>
<td>Understanding the Editable Material Plan Features</td>
<td>5-49</td>
</tr>
<tr>
<td>Setting Up the Layout</td>
<td>5-51</td>
</tr>
<tr>
<td>Navigating to the Editable Material Plan</td>
<td>5-60</td>
</tr>
<tr>
<td>Rapid Planning Supply Demand Plan Drilldowns</td>
<td>5-63</td>
</tr>
<tr>
<td>Excess and Obsolescence</td>
<td>5-64</td>
</tr>
</tbody>
</table>
Using the Resources Page.................................................................5-66
  Understanding the Resources Page.............................................5-67
  Page-Level Filters........................................................................5-67
  Resource Summary........................................................................5-68
  Most Utilized Resource (Baseline Plan)........................................5-69
  Least Utilized Resources (Baseline Plan).......................................5-69
  Resources with Change in Utilization...........................................5-70
  Resource Utilization Trend...........................................................5-71
Rapid Planning Resource Plan Drilldowns........................................5-72
  Understanding the Editable Resource Plan....................................5-72
Navigating the Editable Resource Plan.............................................5-81
Understanding Item Simulation Sets...............................................5-82
Navigating to the Item Simulation Set.............................................5-88
  Accessing and Editing Item Simulation Sets.................................5-88
Mass Editing in the Item Simulation Set..........................................5-89
Using the Exceptions Page.............................................................5-91
  Understanding the Exceptions Page.............................................5-91
  Page Level Filters........................................................................5-92
Exceptions Summary........................................................................5-93
Exceptions Summary by Category....................................................5-94
  Exceptions Summary by Organization..........................................5-95
Rescheduled Orders by Suppliers......................................................5-96
Rapid Planning Exception Report Drill Downs...................................5-96
  Understanding Plan Details............................................................5-97
Using the Historical Performance Page............................................5-99
  Understanding the Historical Performance Page............................5-99
  Page-Level Filters........................................................................5-100
Overall Supply Chain Performance Metrics......................................5-100
Supply Chain Metrics Trend...........................................................5-101
Inventory Value by Categories.........................................................5-103
Days of Cover by Categories..........................................................5-104
Production to Plan by Categories......................................................5-105
Shipment to Plan by Categories.........................................................5-106
Resource Utilization by Resource Groups........................................5-107
Using the Scenario Analysis Page.....................................................5-108
  Understanding the Scenario Analysis Page....................................5-108
  Page-Level Filters........................................................................5-109
Scenario Summary Report...............................................................5-110
Demand Pegging – Baseline Plan Report..........................................5-121
Left to Book by Quarter Report.........................................................5-123
6 Using the Sales and Operations Planning Analyst Dashboard

Understanding the Sales and Operations Planning Dashboard..............................6-1
Using the Demand Review Page.............................................................................6-2

Understanding the Demand Review Page...............................................................6-2
Forecast Comparison Report..................................................................................6-3
Forecast Accuracy - MAPE Report..........................................................................6-5
Projected Backlog Report.......................................................................................6-6
Consensus Tracking by Category Report...............................................................6-7
Forecast - Scenario Comparison Report.................................................................6-8
Demand Summary Report......................................................................................6-8
Top Abs Diff - Consensus and Financial by Category...........................................6-9
Consensus Forecast Difference by Customer Report.............................................6-9
Consensus Forecast Difference by Category Report..............................................6-9
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Using the Supply Review Page</td>
<td>6-9</td>
</tr>
<tr>
<td>Understanding the Supply Review Page</td>
<td>6-10</td>
</tr>
<tr>
<td>Consolidated Analysis Report</td>
<td>6-11</td>
</tr>
<tr>
<td>Demand Fill Report</td>
<td>6-12</td>
</tr>
<tr>
<td>Production Plan Comparison by Organization Report</td>
<td>6-13</td>
</tr>
<tr>
<td>Production Plan Report</td>
<td>6-13</td>
</tr>
<tr>
<td>Top – Supplier Item Utilization Report</td>
<td>6-14</td>
</tr>
<tr>
<td>Top Resource Utilization by Organization Report</td>
<td>6-15</td>
</tr>
<tr>
<td>Consolidated – Scenario Comparison Report</td>
<td>6-15</td>
</tr>
<tr>
<td>Supply Summary Report</td>
<td>6-16</td>
</tr>
<tr>
<td>Bottom Demand Fill % by Customer Report</td>
<td>6-17</td>
</tr>
<tr>
<td>Supply Change by Category Report</td>
<td>6-17</td>
</tr>
<tr>
<td>Top Resource Utilization Report</td>
<td>6-17</td>
</tr>
<tr>
<td>Strategic Plans Report</td>
<td>6-17</td>
</tr>
<tr>
<td>Using the Financial Review Page</td>
<td>6-18</td>
</tr>
<tr>
<td>Understanding the Financial Review Page</td>
<td>6-18</td>
</tr>
<tr>
<td>Financial Summary Report</td>
<td>6-19</td>
</tr>
<tr>
<td>Operating Plan and Financial Forecast Comparison Report</td>
<td>6-20</td>
</tr>
<tr>
<td>Top % Difference – Operating Plan and Budget by Category Report</td>
<td>6-20</td>
</tr>
<tr>
<td>Financial Analysis Report</td>
<td>6-20</td>
</tr>
<tr>
<td>Profit &amp; Loss Monthly Report</td>
<td>6-21</td>
</tr>
<tr>
<td>Margin Difference by Category Report</td>
<td>6-22</td>
</tr>
<tr>
<td>Year-Over-Year Financials Report</td>
<td>6-22</td>
</tr>
<tr>
<td>Financial Forecast and Budget Comparison Report</td>
<td>6-23</td>
</tr>
<tr>
<td>Top % Difference – Budget and Annual Plan by Organization Report</td>
<td>6-23</td>
</tr>
<tr>
<td>Top Revenue Report</td>
<td>6-23</td>
</tr>
<tr>
<td>Cost by Organization</td>
<td>6-24</td>
</tr>
<tr>
<td>Bottom Margin Report</td>
<td>6-24</td>
</tr>
<tr>
<td>Profitability KPI and Cost Breakdown KPI Reports</td>
<td>6-25</td>
</tr>
<tr>
<td>Using the Executive Review Page</td>
<td>6-25</td>
</tr>
<tr>
<td>Understanding the Executive Review Page</td>
<td>6-26</td>
</tr>
<tr>
<td>Consolidated Analysis</td>
<td>6-27</td>
</tr>
<tr>
<td>Profit and Loss Statement</td>
<td>6-27</td>
</tr>
<tr>
<td>Constrained Forecast Comparison</td>
<td>6-28</td>
</tr>
<tr>
<td>Budget Analysis</td>
<td>6-29</td>
</tr>
<tr>
<td>Key Performance Indicators</td>
<td>6-30</td>
</tr>
<tr>
<td>Executive Summary</td>
<td>6-30</td>
</tr>
<tr>
<td>Top Difference - Operating Plan and Financial Forecast by Category</td>
<td>6-31</td>
</tr>
<tr>
<td>Consensus Forecast Difference by Customer</td>
<td>6-31</td>
</tr>
<tr>
<td>Profitability KPI</td>
<td>6-31</td>
</tr>
<tr>
<td>Cost Breakdown KPI</td>
<td>6-31</td>
</tr>
</tbody>
</table>
7 Using the Supply Chain Risk Management Dashboard

Using the Executive Review Page ......................................................... 7-6
Understanding the Executive Review Page ......................................... 7-6
Profit Comparison ........................................................................... 7-7
Cost Analysis ..................................................................................... 7-8
Revenue by Fiscal Period .................................................................. 7-9
Margin by Fiscal Period ...................................................................... 7-9
Supply Demand KPI .......................................................................... 7-10
Inventory KPI ....................................................................................... 7-10
Utilization KPI ..................................................................................... 7-10
Strategic Plans .................................................................................... 7-11
Inventory Optimization Plans ............................................................... 7-11
Using the Inventory Analysis Page .................................................... 7-11
Understanding the Inventory Analysis Page ....................................... 7-12
Cost Analysis ...................................................................................... 7-13
Network and Inventory Summary ........................................................ 7-14
Postponement Analysis ..................................................................... 7-15
Excess and Obsolescence .................................................................. 7-15
Safety Stock Scenario Analysis ............................................................ 7-16
Inventory Analysis ............................................................................. 7-16
Service Level Scenario Comparison .................................................... 7-17
Unmet Revenue Analysis ..................................................................... 7-17
Using the Supply Chain Sourcing Page ............................................. 7-17
Understanding the Supply Chain Sourcing Page .............................. 7-18
Supplier Sourcing ............................................................................... 7-18
Manufacturing Sourcing ..................................................................... 7-19
Transportation by Mode ..................................................................... 7-19
Supply Chain Risk Management Secondary Drill-Down Reports ......... 7-19

8 Using the Service Parts Planning Dashboard

Overview ............................................................................................ 8-1
Using the Plan Health Summary Page ................................................ 8-2
Using the Demand & Supply Page ....................................................... 8-3
Using the Exceptions Page ................................................................. 8-13
Using the Exceptions Page ................................................................. 8-27
Using the Service Level Agreement Analysis Page ............................ 8-30
Using the Historical Performance Page .............................................. 8-40
B  APCC Standalone and Backport

Overview of APCC Standalone and Backport Capabilities .................................................. B-1
Dependencies and Interactions ............................................................................................. B-3
Backport and Standalone Configuration ............................................................................. B-3
Profile Options .................................................................................................................... B-4
Setups and Processes .......................................................................................................... B-5
12.1 Data Loads To and From APCC Fact Repository ......................................................... B-10
    APCC Integration with Oracle Distribution Planning .................................................... B-16
    Distribution Planning Profiles ....................................................................................... B-19
    Exporting and Importing a Plan Summary .................................................................... B-20

C  Operation Data Store

Real-Time Planning in APCC .............................................................................................. C-1
    Real-Time Planning Use Case ....................................................................................... C-1
    Process Flow ................................................................................................................. C-2
    Collected Data in APCC ............................................................................................... C-2

Index
Part No. E48757-09

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- Are the implementation steps correct and complete?
- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you with your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

If you find any errors or have any other suggestions for improvement, then please tell us your name, the name of the company who has licensed our products, the title and part number of the documentation and the chapter, section, and page number (if available).

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Send your comments to us using the electronic mail address: appsdoc_us@oracle.com

Please give your name, address, electronic mail address, and telephone number (optional).

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If you require training or instruction in using Oracle software, then please contact your Oracle local office and inquire about our Oracle University offerings. A list of Oracle offices is available on our Web site at www.oracle.com.
Preface

Intended Audience


Casual User and Implementer

See Related Information Sources on page xvi for more Oracle E-Business Suite product information.

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Structure

1 Advanced Planning Command Center Overview
2 Managing Scenarios
3 Understanding Service - Enablement Planning Processes
4 Understanding the Advanced Planning Analytical Framework
5 Using the Supply Chain Analyst Dashboard
6 Using the Sales and Operations Planning Analyst Dashboard
7 Using the Supply Chain Risk Management Dashboard
8 Using the Service Parts Planning Dashboard
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 Oracle 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 Advanced Supply Chain Planning Implementation and User's Guide

This guide describes Internet-based planning solutions that decide when and where supplies, such as inventory, purchase orders, and work orders, should be deployed within an extended supply chain.

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 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 Order Management User's Guide**
This guide describes the necessary information that you need to use and comprehend managing your orders.

**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 Rapid Planning Implementation and User's Guide**
This guide describes how you can copy and regenerate plans to create fast, what-if simulations, run alternative scenarios, and compare plan metrics to help you select the best solution for your scenario.

**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 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.

**Do Not Use Database Tools to Modify Oracle E-Business Suite Data**
Oracle STRONGLY RECOMMENDS that you never use SQL*Plus, Oracle Data Browser, database triggers, or any other tool to modify Oracle E-Business Suite 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 E-Business Suite data, you risk destroying the integrity of your data and you lose the ability to audit changes to your data.

Because Oracle E-Business Suite tables are interrelated, any change you make using an Oracle E-Business Suite form can update many tables at once. But when you modify Oracle E-Business Suite data using anything other than Oracle E-Business Suite, 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 E-Business Suite.

When you use Oracle E-Business Suite to modify your data, Oracle E-Business Suite automatically checks that your changes are valid. Oracle E-Business Suite 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.
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
• Overview of Collaborative Workspaces
• Executive Summary Report as a Portlet
• Work List
• Data Security

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.

Overview of Collaborative Workspaces

APCC incorporates a collaboration platform for a variety of roles, such as demand planners, supply chain planners, inventory managers, that seamlessly integrates with existing APS applications. It gives planners with an easier way to record and share various key inputs, assumptions & decisions that affect their planning decisions with other members of the organization.

Collaborative workspaces provide:

1. An ability to quickly form ad-hoc, virtual groups for specific planning tasks.
2. A way to share structured and unstructured content that relates to that group.
3. A single, flexible portal-like user interface that brings together specific components of various planning applications and the collaboration tools that are needed for the group to accomplish that task.

The collaboration is based around a business scenario, that is, a planning scenario, as
defined in Advanced Planning Command Center (APCC) and would enable you to optionally leverage a set of collaboration capabilities around the scenario.

An overview of the collaboration is shown below:

The design enhances the collaboration to create personalized work lists, store documents, group event calendar, to-dos, notes etc. that can be assigned to users, while re-using the concepts of tasks from APCC.

Collaboration Group

During creation of a planning scenario, you have collaboration options with which you can create a collaboration group and also assign application users to this group.

From the Create Scenario window, you can:

• Create a new collaboration group by choosing the Create New option. The name automatically defaults to the Scenario name, but you can change it.

• Assign your scenario to an existing collaboration group by choosing the Assign to existing group option. You can choose a value from a list of values of valid collaboration groups.
• Choose not have any collaboration group created for this scenario by choosing the None option. If the scenario was previously associated with a collaboration group, then you can remove the link to that group.

**Note:** If you want to add members, you must choose the Create New option.

**Collaboration Group Home Page**

To access the collaboration home page, select Collaboration Home from the Advanced Planning Scenario Manager responsibility.

**Group Space**

Group Spaces that are created from APCC are containers for all the collaboration activity that occurs within each group. It is directly tied one-to-one to a scenario and shares all the attributes of that scenario. The name of the scenario becomes the name of the group; the owner of the scenario becomes the moderator of the group.

New group spaces can be created within WebCenter. They are managed by, but are not tied in to, the APCC scenarios. For example, if you delete a group space within WebCenter, it does not delete or update the APCC scenarios.

**Group Space Template**

The seeded default template for the home page includes the following content:

<table>
<thead>
<tr>
<th><strong>Collaboration Tools</strong></th>
<th>Work list, Group Calendar, Documents, Discussions, Tags, Issues &amp; Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Product Content</strong></td>
<td>Executive Summary Report from S&amp;OP Dashboard for that Scenario</td>
</tr>
</tbody>
</table>

You can customize the content to suit your business needs. Following is an example of a custom group space with additional content.

Below is an example of a custom group space with additional content.
### Navigation Rules To and From the Collaboration Home Page

When you access the APCC dashboards or the APCC scenario manager application, you go directly to the respective application.

The navigation to and from the collaboration home page follows these basic rules:

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Context</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Planning Scenario Manager</td>
<td>Collaboration Home</td>
<td>None</td>
</tr>
<tr>
<td>Collaboration Home (left navigator pane)</td>
<td>S&amp;OP dashboard, SCA dashboard, Advanced Planning Scenario Manager and other applications</td>
<td>None</td>
</tr>
</tbody>
</table>
Collaboration Home (group space application links)  
S&OP dashboard, Advanced Planning Scenario Manager and other applications  
Scenario context. (If there are multiple scenarios, default the first name in alphabetical order.)

Collaboration Home (group space application links)  
SCA dashboard  
Plan context (If there are multiple plans, default the first name in alphabetical order.)

### Executive Summary Report as a Portlet

Within the S&OP dashboard, the Executive Summary Report is enabled as a portlet. It uses the current group scenario as the input and renders a single scenario view. All the drill-downs from this report to the S&OP dashboard and answers pages in the same browser window, but still keeps the left hand side Navigator of WebCenter intact.

### Work List

The work list that is displayed in the Collaboration Group Home page is an amalgamation of all the tasks that flow from different sources for that individual user. This is not necessarily related to the scenario to which this Group corresponds. This work list portlet looks at the BPEL repository as the single source of truth for all tasks. The various sources from where these tasks come are all System tasks originated from APCC Planning Scenarios / BPEL Processes.

The table below shows the relationship between the work list column and the meaning of the APCC attribute:

<table>
<thead>
<tr>
<th>Work List Column</th>
<th>APCC Attribute Meaning</th>
</tr>
</thead>
<tbody>
<tr>
<td>Title</td>
<td>BPEL Process Name created in Scenario Manager.</td>
</tr>
<tr>
<td>Status</td>
<td>Status: Possible values are: Assigned, Deleted, or Suspended.</td>
</tr>
<tr>
<td>Identifier</td>
<td>Plan Name</td>
</tr>
<tr>
<td>Category</td>
<td>BPEL activity status category, such as In progress, Not started, Error, or Completed.”</td>
</tr>
</tbody>
</table>
Data Security

For all the portlets that are available in a group space (including the Executive Summary report), only the members have access. The reports from APCC are not available outside the context of a Collaboration group.
Managing Scenarios

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:

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

**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:

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Search Scenarios for</td>
<td>Select from the list of options when performing a simple search such as: scenario name, scenario description, scenario owner, and so on.</td>
</tr>
<tr>
<td>Like</td>
<td>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.</td>
</tr>
<tr>
<td>Search</td>
<td>Click to execute a search and refresh the tables below. This search is not case-sensitive.</td>
</tr>
<tr>
<td>Advanced Search</td>
<td>Click to access the Advanced Search page.</td>
</tr>
<tr>
<td>Field Name</td>
<td>Definition</td>
</tr>
<tr>
<td>------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Save</td>
<td>Click to save the page. You can continue editing.</td>
</tr>
<tr>
<td>Cancel</td>
<td>Click to discard changes and return to the page.</td>
</tr>
<tr>
<td>View</td>
<td>Select an option to view scenarios. Options include all personalized views for the user.</td>
</tr>
<tr>
<td>Go</td>
<td>Click to execute the option selected in the View field.</td>
</tr>
<tr>
<td>Personalize</td>
<td>Select to personalize the columns in the view. You can create multiple personalized views.</td>
</tr>
<tr>
<td>Create scenario</td>
<td>Click to access the Create Scenario page.</td>
</tr>
<tr>
<td>Copy</td>
<td>Click to access the Copy Scenario page. You must select a scenario before clicking the Copy button.</td>
</tr>
<tr>
<td>Archive</td>
<td>Click to archive the selected scenario and all of its plans. You must select a scenario before clicking the Archive button.</td>
</tr>
<tr>
<td>Purge</td>
<td>Click to access the Purge Scenario page. You must select a scenario before clicking the Purge button.</td>
</tr>
<tr>
<td>Analyze in</td>
<td>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.</td>
</tr>
<tr>
<td>Select</td>
<td>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.</td>
</tr>
<tr>
<td>Scenario Name</td>
<td>Click the scenario name to access the Edit Scenario page for the selected scenario. Results can be sorted on this field.</td>
</tr>
</tbody>
</table>
### 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

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan type</td>
<td>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.</td>
</tr>
<tr>
<td></td>
<td><strong>Note:</strong> Scenarios with Service Planning type are currently not supported for viewing in the seeded dashboards or reports.</td>
</tr>
<tr>
<td>Plan name</td>
<td>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.</td>
</tr>
<tr>
<td>Status</td>
<td>Displays the status of the plan. Results can be sorted on this field.</td>
</tr>
<tr>
<td>Version</td>
<td>Displays the version of the plan if it is an archived version. Or displays Current as a default, which is the latest version.  \n</td>
</tr>
<tr>
<td>Run date</td>
<td>Displays the last run date for the plan. Results can be sorted on this field.</td>
</tr>
<tr>
<td>Plan Horizon</td>
<td>Displays the plan horizon. Results can be sorted on this field.</td>
</tr>
</tbody>
</table>

### 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:

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scenario Name</td>
<td>Enter a name that uniquely identifies the scenario.</td>
</tr>
<tr>
<td>Description</td>
<td>Enter a description of the scenario.</td>
</tr>
<tr>
<td>Owner</td>
<td>Select the owner of the scenario. The current user automatically defaults into the field.</td>
</tr>
<tr>
<td>Access</td>
<td>Select <strong>Public</strong> to enable the scenario to be editable and accessible to all users. <strong>Private</strong> to enable only the users listed in the Users field to edit and access the scenario.</td>
</tr>
<tr>
<td>Users</td>
<td>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.</td>
</tr>
<tr>
<td>Scenario comment</td>
<td>Enter comments for this scenario.</td>
</tr>
<tr>
<td>Attachments</td>
<td>Click the Add button to open the standard attachments table.</td>
</tr>
<tr>
<td>Valid from</td>
<td>Enter or select a date that determines the beginning of the scenario.</td>
</tr>
<tr>
<td>to</td>
<td>Enter or select a date that determines the end of the scenario.</td>
</tr>
</tbody>
</table>
### Field Name Definition

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Save</td>
<td>Click to save the new scenario and return to the previous page.</td>
</tr>
<tr>
<td>Cancel</td>
<td>Click to cancel the entries and return.</td>
</tr>
</tbody>
</table>

### 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 2-10

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 underlying 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:

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Search Scenarios for</td>
<td>Select an option to search scenarios.</td>
</tr>
<tr>
<td>Like</td>
<td>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 <strong>Change to</strong> field.</td>
</tr>
<tr>
<td>Search</td>
<td>Click to execute the search and refresh the tables.</td>
</tr>
<tr>
<td>Save</td>
<td>Click to save changes and return to the current page.</td>
</tr>
<tr>
<td>Cancel</td>
<td>Click to discard changes and return to the previous page.</td>
</tr>
<tr>
<td>Change to</td>
<td>Select to view another scenario set. All scenario sets that match the search criteria are listed.</td>
</tr>
<tr>
<td>Edit</td>
<td>Click to edit the selected scenario set.</td>
</tr>
<tr>
<td>Create scenario set</td>
<td>Click to create a new scenario set.</td>
</tr>
</tbody>
</table>
### Field Name Definition

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analyze in</td>
<td>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.</td>
</tr>
<tr>
<td>Select</td>
<td>Select a radio button to select a scenario before clicking the Go button.</td>
</tr>
<tr>
<td>Scenario</td>
<td>Click the scenario name to view the selected scenario details on the Scenarios page. Results can be sorted on this field.</td>
</tr>
<tr>
<td>Owner</td>
<td>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.</td>
</tr>
<tr>
<td>Attachments</td>
<td>Click to view attachments.</td>
</tr>
<tr>
<td>Description</td>
<td>Displays the scenario description.</td>
</tr>
<tr>
<td>Valid from</td>
<td>Displays the valid from date.</td>
</tr>
<tr>
<td>Valid to</td>
<td>Displays the valid to date.</td>
</tr>
</tbody>
</table>

### Accessing the Scenario Sets Activities

To create, delete, and change the status and the owner of an activity, use OBIEE iBots.

The APCC release contains one demonstration iBot.

See:

- My Oracle Support Note 761773.1
- Oracle Business Intelligence Scheduler Guide, B31768
- Oracle Business Intelligence Answers, Delivers, and Interactive Dashboards User Guide, B31767

### 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 2-17

**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, select the Advanced Planning Scenario Manager responsibility.

The fields and definitions for the Activities page are:
<table>
<thead>
<tr>
<th>Field Name</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Search Activities for</td>
<td>Select from the list of options when performing a simple search. Options include: Activity Name, Activity Description, Activity Status, Owner, and so on.</td>
</tr>
<tr>
<td>Like</td>
<td>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.</td>
</tr>
<tr>
<td>Search</td>
<td>Click to execute a search and refresh the tables below.</td>
</tr>
<tr>
<td>Advanced Search</td>
<td>Click to access the Advanced Search page.</td>
</tr>
<tr>
<td>Save</td>
<td>Click to save the page and enable the user to continue editing.</td>
</tr>
<tr>
<td>Cancel</td>
<td>Click to discard changes and return to the previous page.</td>
</tr>
<tr>
<td>Activities Summary</td>
<td>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.</td>
</tr>
<tr>
<td>View</td>
<td>Select an option to view activities. Options include a default view and all personalized views for the user.</td>
</tr>
<tr>
<td>Go</td>
<td>Click to execute the option selected in the View field.</td>
</tr>
<tr>
<td>Personalize</td>
<td>Select to create personalized views.</td>
</tr>
<tr>
<td>Create activity</td>
<td>Click to access the Create Activity page.</td>
</tr>
<tr>
<td>Field Name</td>
<td>Definition</td>
</tr>
<tr>
<td>---------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Delete</td>
<td>Click to delete the selected activity from the system. The activity is also deleted from the relevant scenario and scenario set.</td>
</tr>
<tr>
<td>Set status to</td>
<td>Select an option to change the status of an activity. Options include:</td>
</tr>
<tr>
<td></td>
<td>• Not Started.</td>
</tr>
<tr>
<td></td>
<td>• In Progress.</td>
</tr>
<tr>
<td></td>
<td>• Escalated.</td>
</tr>
<tr>
<td></td>
<td>• Completed.</td>
</tr>
<tr>
<td>Change owner to</td>
<td>Select an option to change the owner of an activity.</td>
</tr>
<tr>
<td>Update</td>
<td>Click to execute an option selected in the Set status to and Change owner to fields.</td>
</tr>
<tr>
<td>Select</td>
<td>Select a check box to select one or more activities before:</td>
</tr>
<tr>
<td></td>
<td>• Clicking the delete button.</td>
</tr>
<tr>
<td></td>
<td>• Selecting an option in the Set status to field.</td>
</tr>
<tr>
<td></td>
<td>• Selecting an option in the Change owner to field.</td>
</tr>
<tr>
<td></td>
<td>If a manual activity is selected, the user receives this error message: Cannot update or delete system activities.</td>
</tr>
</tbody>
</table>
### Field Name Definition

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activity</td>
<td>Select to access one of these pages:&lt;br&gt;• If the activity is a user-defined manual activity (not related to a planning process), then the Edit Activity page appears.&lt;br&gt;• 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.</td>
</tr>
<tr>
<td>Description</td>
<td>Displays the activity description.</td>
</tr>
<tr>
<td>Status</td>
<td>Displays the activity status.</td>
</tr>
<tr>
<td>Owner</td>
<td>Click this link to refresh the Activities tab with all activities for which this user is the owner.</td>
</tr>
<tr>
<td>Scenario</td>
<td>Click this link to open the Scenario page for the specific scenario.</td>
</tr>
<tr>
<td>Scenario Set</td>
<td>Click this link to open the Scenario Set page for the specific scenario set.</td>
</tr>
<tr>
<td>Finish by</td>
<td>Displays the Finish by date.</td>
</tr>
<tr>
<td>Priority</td>
<td>Displays the priority that is assigned by the user.</td>
</tr>
<tr>
<td>Completed on</td>
<td>Displays the completed date for activities that have a Completed status.</td>
</tr>
<tr>
<td>Type</td>
<td>Displays the type of activity. Options include Manual and System Generated.</td>
</tr>
<tr>
<td>Alternate Owner</td>
<td>Displays the alternate owner.</td>
</tr>
<tr>
<td>Created by</td>
<td>Displays the name of the person who created the activity</td>
</tr>
</tbody>
</table>
### Field Name Definition

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Created on</td>
<td>Displays the date that the activity was created.</td>
</tr>
<tr>
<td>Comments</td>
<td>Displays comments.</td>
</tr>
<tr>
<td>Attachments</td>
<td>Click the icon to view or add attachments.</td>
</tr>
</tbody>
</table>

### 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.

### 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:

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Search Planning Processes for</td>
<td>Select from the list of options when performing a simple search. Options are: Process Name, Process Description, Process Status, Process Flow, and so on.</td>
</tr>
<tr>
<td>Like</td>
<td>Enter a value that represents the field selected in the Search Planning Processes for field.</td>
</tr>
<tr>
<td>Search</td>
<td>Click to execute a simple search and refresh the tables below.</td>
</tr>
<tr>
<td>Advanced Search</td>
<td>Click to access the Advanced Search page.</td>
</tr>
<tr>
<td>Field Name</td>
<td>Definition</td>
</tr>
<tr>
<td>------------</td>
<td>------------</td>
</tr>
<tr>
<td>Save</td>
<td>Click to save the page and enable the user to continue editing.</td>
</tr>
<tr>
<td>Cancel</td>
<td>Click to discard changes and return to the previous page.</td>
</tr>
<tr>
<td>Start</td>
<td>Click to access the Start Process page. This starts the underlying BPEL process for the selected process.</td>
</tr>
<tr>
<td>Schedule</td>
<td>Click to access the Schedule Process page. This enables you to schedule the underlying BPEL process for the selected process.</td>
</tr>
<tr>
<td>Abort</td>
<td>Click to access the Abort Process page for the selected process.</td>
</tr>
<tr>
<td>Create</td>
<td>Click to add a new row in the table and create a new process using a predefined process flow templates.</td>
</tr>
<tr>
<td>Select</td>
<td>Select a radio button to select a process before clicking the Start, Schedule, or Abort button.</td>
</tr>
<tr>
<td>Process</td>
<td>Enter a name that uniquely identifies a process.</td>
</tr>
<tr>
<td>Process flow</td>
<td>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.</td>
</tr>
<tr>
<td>Description</td>
<td>Enter a description of the process.</td>
</tr>
<tr>
<td>Last run start date</td>
<td>Displays the last time and date that the process ran.</td>
</tr>
<tr>
<td>Status</td>
<td>Displays a derived status of the process from the statuses of all its activities.</td>
</tr>
</tbody>
</table>
Fields and definitions for the Activities table on the Planning Processes page are:

<table>
<thead>
<tr>
<th>Field Name</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Select</td>
<td>Select a radio button to select an activity before taking an action such as Schedule, Abort, Delete, and so on.</td>
</tr>
<tr>
<td>Activity type</td>
<td>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.</td>
</tr>
<tr>
<td>Process Scope</td>
<td>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.</td>
</tr>
<tr>
<td>Plan</td>
<td>Select the plan for which the activity runs</td>
</tr>
<tr>
<td>Skip</td>
<td>Select to have the system bypass the activity.</td>
</tr>
<tr>
<td>Owner</td>
<td>Select the owner of the activity.</td>
</tr>
<tr>
<td>Status</td>
<td>Displays the status of the activity. The status is derived from the run status of the plan. Values are:</td>
</tr>
<tr>
<td></td>
<td>• Not Started.</td>
</tr>
<tr>
<td></td>
<td>• In Progress.</td>
</tr>
<tr>
<td></td>
<td>• Completed.</td>
</tr>
<tr>
<td></td>
<td>• Error.</td>
</tr>
<tr>
<td>Parameters</td>
<td>Click to access the Parameters page for the activity.</td>
</tr>
<tr>
<td>Alternate Owner</td>
<td>Select an alternate owner.</td>
</tr>
</tbody>
</table>
### 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.
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.
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
- Access to Embedded Demantra Worksheets

**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.

To learn more about the subprocesses, refer to Appendix A *BPel Processes* in this document.

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

![Diagram](image)

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.

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.
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.
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.


**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

<table>
<thead>
<tr>
<th>Service Operation</th>
<th>Service Description</th>
<th>API Type</th>
<th>Synch / Asynch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release ASCP</td>
<td>Release ASCP new purchase order, new work order, new transfer order, and implement, reschedule, or cancel (purchase order, sales order, internal requisition) recommendations.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
<tr>
<td>Run ASCP Engine in Batch Mode</td>
<td>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.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
<tr>
<td>Set ASCP Plan Options</td>
<td>Updates plan options for ASCP plans.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
</tbody>
</table>

### Advanced Planning Suite Web Services

This table lists the web services used by APS:

<table>
<thead>
<tr>
<th>Service Operation</th>
<th>Service Description</th>
<th>API Type</th>
<th>Synch/Asynch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data Export – Download Forecast</td>
<td>Allows external planning systems to retrieve forecast and forecast accuracy metrics.</td>
<td>Public</td>
<td>Synch</td>
</tr>
<tr>
<td>Data Export – Download Safety Stock</td>
<td></td>
<td>Public</td>
<td>Synch</td>
</tr>
</tbody>
</table>
### Collections Web Services

This table lists the web services used by Collections:

<table>
<thead>
<tr>
<th>Service Operation</th>
<th>Service Description</th>
<th>API Type</th>
<th>Synch/Asynch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Run ASCP Collections</td>
<td>Launches ASCP collection concurrent program, which includes the ODS load. The invoker of this service does not wait for run to complete.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
<tr>
<td>Run Demantra Collections – Currency Conversions</td>
<td>Launches Demantra Currency Conversions collections concurrent program. The invoker of this service does not wait for the run to complete.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
<tr>
<td>Service Operation</td>
<td>Service Description</td>
<td>API Type</td>
<td>Synch/Asynch</td>
</tr>
<tr>
<td>-------------------</td>
<td>---------------------</td>
<td>----------</td>
<td>-------------</td>
</tr>
<tr>
<td>Run Demantra Collections – Pricing Data</td>
<td>Launches Demantra Pricing Data collections concurrent program. The invoker of this service does not wait for the run to complete.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
<tr>
<td>Run Demantra Collections – Returns History</td>
<td>Launches Demantra Returns History collections concurrent program. The invoker of this service does not wait for the run to complete.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
<tr>
<td>Run Demantra Collections – SCI Data</td>
<td>Launches Demantra SCI Data collections concurrent program. The invoker of this service does not wait for the run to complete.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
<tr>
<td>Run Demantra Collections – Shipment and Booking History</td>
<td>Launches Demantra Shipment and Booking History collections concurrent program request set. The invoker of this service does not wait for the run to complete.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
<tr>
<td>Run Demantra Collections – UOM Conversions</td>
<td>Launches Demantra UOM (unit of measure) conversions collections concurrent program. The invoker of this service does not wait for the run to complete.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
</tbody>
</table>
## Service Operation

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

### Demantra Web Services

This table lists the web services used by Demantra:

<table>
<thead>
<tr>
<th>Service Operation</th>
<th>Service Description</th>
<th>API Type</th>
<th>Synch/Asynch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assign Plan Name</td>
<td>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. This process is not applicable anymore other than to ensure backwards compatibility and to support the Demantra Web Service profile.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
<tr>
<td>Check Demantra Workflow Status</td>
<td>Checks for completion status of a Demantra workflow. For example, the Forecast Calculation and Approval workflow.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
</tbody>
</table>
### Service Operation | Service Description | API Type | Synch/Asynch
--- | --- | --- | ---
Run Demantra Workflow | Runs a specific named Demantra workflow in its entirety. Options are synchronous and asynchronous. | Internal | 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:

<table>
<thead>
<tr>
<th>Service Operation</th>
<th>Service Description</th>
<th>API Type</th>
<th>Synch/Asynch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release DRP Results</td>
<td>Releases all changes to the operation system.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
<tr>
<td>Run DRP Engine in Batch Mode</td>
<td>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.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
<tr>
<td>Set DRP Plan Options</td>
<td>Updates plan options for DRP plans.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
</tbody>
</table>
Inventory Optimization Web Services

This table lists the web services used by IO:

<table>
<thead>
<tr>
<th>Service Operation</th>
<th>Service Description</th>
<th>API Type</th>
<th>Synch/Asynch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Run IO Engine in batch mode</td>
<td>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.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
<tr>
<td>Set IO Plan Options</td>
<td>Updates plan options for IO plans.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
</tbody>
</table>

Order Promising Web Service

This table lists the web service used by Order Promising:

<table>
<thead>
<tr>
<th>Service Operation</th>
<th>Service Description</th>
<th>API Type</th>
<th>Synch/Asynch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Get Promise Date</td>
<td>Gets the product availability and date information that can be promised to a customer.</td>
<td>Public</td>
<td>Synch</td>
</tr>
</tbody>
</table>

Plan Management Web Services

This table lists the web services used by Plan Management:
<table>
<thead>
<tr>
<th>Service Operation</th>
<th>Service Description</th>
<th>API Type</th>
<th>Synch/Asynch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Copy Plan</td>
<td>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.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
<tr>
<td>Purge Plan</td>
<td>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.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
<tr>
<td>Archive Plan</td>
<td>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.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
</tbody>
</table>

**Scenario Management Web Services**

This table lists the web services used by Scenario Management:
<table>
<thead>
<tr>
<th>Service Operation</th>
<th>Service Description</th>
<th>API Type</th>
<th>Synch/Asynch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Check Process Status</td>
<td>Checks the status of any concurrent request and return statuses for <strong>Complete</strong>, <strong>Failed</strong>, or <strong>In Progress</strong>. Returns basic error information if the status is Failed.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
<tr>
<td>Notify user</td>
<td>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.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
<tr>
<td>Get Process Information</td>
<td>Retrieves attributes of a process.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
<tr>
<td>Get Activity Information</td>
<td>Retrieves attributes of an activity. For example, the status, the due date, the owner, and so on.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
<tr>
<td>Get Parameter Values</td>
<td>Retrieves parameters of an activity.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
<tr>
<td>Update Process</td>
<td>Updates the process to indicate that it has started.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
<tr>
<td>Set Activity Status</td>
<td>Updates the attributes of a process activity. For example, the status, the due date, the owner, and so on.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
<tr>
<td>Archive Scenario</td>
<td>Associates versions of different plans to a scenario version.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
</tbody>
</table>
Service Parts Planning Web Service

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

<table>
<thead>
<tr>
<th>Service Operation</th>
<th>Service Description</th>
<th>API Type</th>
<th>Synch/Asynch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release SRP Results</td>
<td>Releases all changes to the operation system.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
<tr>
<td>Run SRP Engine in batch mode</td>
<td>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.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
<tr>
<td>Set SRP Plan Options</td>
<td>Updates plan options for SRP plans.</td>
<td>Internal</td>
<td>Synch</td>
</tr>
</tbody>
</table>

Strategic Network Optimization Web Services

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

<table>
<thead>
<tr>
<th>Service Operation</th>
<th>Service Description</th>
<th>API Type</th>
<th>Synch/Asynch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generate SNO Model</td>
<td>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.</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
<tr>
<td>Publish SNO Results</td>
<td>Publish SNO results into PDS (Planning Data Store).</td>
<td>Internal</td>
<td>Asynch</td>
</tr>
</tbody>
</table>
Access to Embedded Demantra Worksheets

This feature allows you to access and update a Demantra worksheet without having to leave the APCC application. It is a variation of the Demantra Anywhere functionality, which allows an external user to log into Demantra. Using standard worksheet functionality, you can make adjustments to historical data or the statistical forecast, run simulations, and save any changes.

Enabling Demantra Anywhere

**Note:** The Demantra Anywhere login process requires Oracle Single Sign On, and both applications must be registered with the same SSO server.

To configure Demantra Anywhere:

1. In Demantra, open the Business Modeler
2. Go to Security > Create/Modify User > (select user) > Modules
3. Enable Demantra Anywhere

Creating a custom report with a Demantra URL

After configuring Demantra anywhere, you can create a custom report in APCC with a link to a Demantra worksheet. To create a custom report:

**Note:** To perform this procedure you should have basic OBIEE knowledge, understand how to create an Answers reports, and know when to restart the OBIEE servers

1. Disable OBIEE SSO, login to Answers as Administrator
2. Create a new report and save (for example) in the Shared/Others folder
3. Add Scenario, Item, Organization, Budget, and Budget
4. Change second Budget formula to: `(left chevron) a href=""||valueof (NQ_SESSION.APPS_SERVLET_AGENT)||'/MscObieeSrvlt?ParamType=Name(ampersand) Wnd=DMA(ampersand) QueryName=Export OBI Data(ampersand) CombinationName=Item,'||"- Item".Item||";Demand Class,"||"- Demand Class"."Demand Class"||";Organization,"||"- Organization"."Organization Code"||"(right chevron) (right chevron) (left chevron) /a(right chevron) '`
5. Set the data format to HTML.

6. Add narrative view with following content as prefix: (left chevron)
   a href="@[biServer.variables["NQ_SESSION.
   APPS_SERVLET_AGENT"]]/MscObieeSrvlt?ParamType=Name
   (ampersand) Wnd=DMA(ampersand) QueryName=Export OBI
   Data"(right chevron) Export OBI Data(left chevron) /a(right
   chevron)

After creating the custom report, you can run the report as described below.

Running the report

To run the custom report, first enable OBEE SSO, then open the report from any of the
dashboards (for example, the Sales and Operations Dashboard). There is no limit on
which applications can use embedded Demantra as long as they have the same SSO and
can pass the relevant URL and context. The internal syntax for each application may
differ in order to formulate the correct call to Demantra.
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 and Hierarchies
• Dashboards
• Archiving Plans and Scenarios
• APCC Archive Plan Summary
• Setting Your Data for Archiving
• Accessing Item Attributes
• 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:

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

**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:

<table>
<thead>
<tr>
<th>Role or Responsibility</th>
<th>Dashboard</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sales and Operations Planning Analyst</td>
<td>Sales and Operations Planning Dashboard</td>
</tr>
<tr>
<td>Supply Chain Analyst</td>
<td>Supply Chain Analyst Dashboard</td>
</tr>
</tbody>
</table>

**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.

End Items and Parent Model

In addition to the standard dimensions, APCC supports the following optional dimensions that are enabled only as needed.

- End item
- Parent Model (in a Configure to Order environment)

In some cases planners need the ability to analyze components by the specific end item or the model in which they are used. End item and parent model dimensions support this requirement. These are enabled only for Oracle Advanced Supply Chain Planning (ASCP) Plans and not for other supply plan types, for example then are not enabled for SNO, etc. These are enabled only for 2 supply measures, Order Quantity and Total Supply. This feature allows option supplies in an ASCP plan to be grouped by the parent model to which they belong. It also allows supplies in an ASCP plan to be summarized by the end (customer-saleable) model to which they belong. You can build reports for analysis by the Finished Good items based on pegging generated in an ASCP Plan. This feature is available in ASCP Plans only and is enabled for the two measures "order quantity" and "total supply" only.
These End Item and Parent Model dimensions enable APCC to analyze a few supply facts of key components or options for Parent Model.

**Setting Parent or Top Model Granularity**

By default, facts do not have parent model or top model granularity. You can enable this level detail. However, this results in a larger fact table.

You do this by:

- Grouping key component items in any category of MSC: APCC Category set for detailed pegging analysis
- Setting MSC:Enable Model and End Item dimensions in APCC to either the parent model or the top model
- Running concurrent process Archive Plan Summary

**Note:** This process slices the supply quantity of these items parent model or top model.

**End Item Dimension**

The end item dimension is enabled only for key components that require analysis by the planners using this new dimension.

The key components are identified by a specific category set. All the items that have an item-category assignment in that category set are treated as key components. The name
of the category set is set up or defined in the new profile option "MSC: APCC Category set for detailed pegging analysis". Items that are not critical and do not need this analysis should not have any assignment in this category set.

The following is an example of how to use the category set:

<table>
<thead>
<tr>
<th>Category Set: INV_ITEMS</th>
<th>Category Set: NEW KC CATEGORY SET</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category: Category 1</td>
<td>Category: Category KC1</td>
</tr>
<tr>
<td>• End item A</td>
<td>• Key Component KC1</td>
</tr>
<tr>
<td>• End item B</td>
<td>• Key Component KC2</td>
</tr>
<tr>
<td>• End item C</td>
<td>• Key Component KC3</td>
</tr>
<tr>
<td>• Component C1</td>
<td>• Key Component KC4</td>
</tr>
<tr>
<td>• Component C2</td>
<td></td>
</tr>
<tr>
<td>• Key Component KC1</td>
<td></td>
</tr>
<tr>
<td>• Key Component KC2</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category 2</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>• End item D</td>
<td></td>
</tr>
<tr>
<td>• End item E</td>
<td></td>
</tr>
<tr>
<td>• End item F</td>
<td></td>
</tr>
<tr>
<td>• Key Component KC3</td>
<td></td>
</tr>
<tr>
<td>• Key Component KC4</td>
<td></td>
</tr>
</tbody>
</table>

In this case, the category set Inv.Items is the general category set used by APCC for all category based reporting and the category set New KC Category Set is for identifying the subset of items that need the End Item dimension enabled. The profiles are set as follows:

MSC: APCC Category Set 1 = Inv.Items
MSC: Key Component Category Set = New KC Category Set

Using this setup, all the items that are not part of the New KC Category Set will not have this new dimension enabled.
The ETL that is necessary to populate this new dimension in the APCC repository is triggered only when the new profile option, MSC: Enable Model & End Item dimensions in APCC, is enabled. If this profile is turned off or is not setup, the necessary ETL is not triggered. The new ETL program is applicable and is triggered only for ASCP plans and Total Supply and Order Quantity facts.

The end item dimension splits the above facts using ASCP’s full pegging information by the end item. For example, if there is a Planned Order of 100 on Day1 end pegged to multiple end items, the fact repository contains the appropriate splits. This enables allows users to build a pivot table report of these types.

Below is an example of reports that have been built by using the new End Item dimension:

<table>
<thead>
<tr>
<th>Org</th>
<th>Item</th>
<th>End Item</th>
<th>Measure</th>
<th>Wk 1</th>
<th>Wk 2</th>
<th>Wk 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>TST:M1</td>
<td>CM66321</td>
<td>AS66313</td>
<td>Planned Orders</td>
<td>1000</td>
<td>1000</td>
<td>1000</td>
</tr>
<tr>
<td>TST:M1</td>
<td></td>
<td>AS18947</td>
<td>Planned Orders</td>
<td>1000</td>
<td>1000</td>
<td>500</td>
</tr>
<tr>
<td>TST:M1</td>
<td></td>
<td>AS66312</td>
<td>Planned Orders</td>
<td>200</td>
<td>100</td>
<td>400</td>
</tr>
<tr>
<td>TST:M1</td>
<td>CM66321 (Total)</td>
<td>CM66321 (Total)</td>
<td>CM66321 (Total)</td>
<td>2200</td>
<td>2100</td>
<td>1900</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Org</th>
<th>End Item</th>
<th>Component Item</th>
<th>Planned Orders</th>
<th>Total Supply</th>
</tr>
</thead>
<tbody>
<tr>
<td>TST:M1</td>
<td>AS66313</td>
<td>CM66321</td>
<td>1000</td>
<td>1000</td>
</tr>
<tr>
<td>TST:M1</td>
<td></td>
<td>CM66666</td>
<td>1000</td>
<td>1000</td>
</tr>
<tr>
<td>TST:M1</td>
<td></td>
<td>CM66111</td>
<td>200</td>
<td>100</td>
</tr>
</tbody>
</table>

**Parent Model Dimension**

In an assemble to order environment, it is important to understand how the supplies of different options are being driven by the different models.

The following setups are required to enable this dimension in APCC.
• If the forecast is based on Demantra Demand Management consensus forecast fed into Oracle Advanced Supply Chain Planning, the publish process from Demantra must be configured appropriately. It should publish only the independent forecasts at the Model level, and any other independent demands at lower levels. It should also publish the Planning percentages for the options. The standard seeded data integration profile does not do this.

• The ASCP Plan that is using the forecast as a demand schedule should have the plan option Explode Forecast set to Yes, that is, checked.

• All option classes and options should have the forecast control attribute set to "Consume and Derive".

Users can also combine the two dimensions, Parent Model and End Item, and build reports to slice and dice not only the options but also the components under them, in case the options are make items.

This analysis is limited to the immediate parent model. In case of a multi-level model, this feature gives the ability to analyze only by the immediate parent model.

Using a simple structure, an example is shown below:

Top Model
• Parent Model
  • Option Class
    • Option (Make item)
      • Key Component

<table>
<thead>
<tr>
<th>Key Component</th>
<th>Parent Model</th>
<th>Shipments</th>
<th>Planned Orders</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>8GB PC2-5300</td>
<td>Sun Sparc M4000</td>
<td>100,000</td>
<td>200,000</td>
<td>300,000</td>
</tr>
<tr>
<td>240-PIN RDIMM</td>
<td>Sun Sparc M5000</td>
<td>30,000</td>
<td>10,000</td>
<td>40,000</td>
</tr>
<tr>
<td>RAM</td>
<td>Sun Sparc M8000</td>
<td>500,000</td>
<td>1,000,000</td>
<td>1,500,000</td>
</tr>
<tr>
<td></td>
<td></td>
<td>630,000</td>
<td>1,210,000</td>
<td>1,840,000</td>
</tr>
</tbody>
</table>

New Dimensions Profile Options
Two new profile options support the new dimensions:
1. MSC: APCC Category set for detailed pegging analysis
   Description: The name of the category set that identifies the items (like key components) and their categories that will have new dimensions of End Item and Parent Model enabled in APCC repository.
   Site: Can be set at site, responsibility or user level

2. MSC: Enable Model & End Item dimensions in APCC
   Description: Enables or disables the ETL processing required to populate the end item and parent model dimensions in the APCC. When set to ‘Yes’, the ETL is enabled. When set to ‘No’, the ETL is disabled.
   Site: Can be set at site, responsibility or user level.

Measures and Hierarchies

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.
- Integration with Oracle Rapid Planning

Custom Product Hierarchies

APCC supports direct upload of a 10-level custom product hierarchy that is sourced from Demantra, using the profile MSC: Additional Item Hierarchy in APCC. When you have set up this profile, you must run the concurrent program Refresh APCC Materialized Views. This profile allows uploads for both Demantra and .csv files.
**Note:** The profile MSC: Additional Item hierarchy in APCC is the rename of profile MSC: Additional Demantra Item hierarchy in APCC

**Custom Hierarchies and Other Dimensions**

APCC allows sourcing one custom hierarchy each, to a maximum of 10 levels each, in Customer (Site) and Organization dimension from Demantra directly using profiles MSC: Additional Customer Hierarchy in APCC and MSC: Additional Organization Hierarchy in APCC. After setting up these profiles, you must run the concurrent program Refresh APCC Materialized Views.

In addition APCC also supports direct upload of these 10-level hierarchies using .csv files.

**Uploading Custom Hierarchies**

The direct upload of the 10-level hierarchy requires two .csv files, one is for the structure and one is for the data. The .csv files have the format described in this example of a five level product hierarchy.

Level 5 is Product Line: Electronics

Level 4 is Category: Computers and Components

Level 3 is Segment: Under Computers are Desktops, Laptops, and Tablets. Components from Level 2 have no Level 3 items.

Level 2 is Brand: Desktops has no items; under Laptops are Latitude, and Ultrabook. Tablets from Level 2 has no Level 3 items. Base Level is Item: Under Latitude is E540. There are no other Items from Level 4.

Base Level is Item: Under Latitude is E540. There are no other Items from Level 4.
CustomHierarchyStructure.csv represents the .csv file. The first row is a required header row:

Dimension, Hierarchy, Level1, Level2, Level3, Level4, Level5, Level6, Level7, Level8, Level9, Level10
Product, Custom Hierarchy 1, Item, Brand, Segment, Category, Product Line, , , , ,

The file upload requires the following criteria:

- Upload is always full and replaces the earlier definition.
- You can upload multiple hierarchies in any given dimension. At a given point in time a single custom hierarchy, per dimension, can be used, based on the new profiles.
- A modification to the structure deletes the associated hierarchy data.
- You can upload multiple hierarchies using the CustomHierarchyStructure.csv file.
- Hierarchy names must be unique across all dimensions.
• Level Names must be unique within a hierarchy

• Level Name labels are stored in the uploaded language and not translated.

The first row of the CustomHierarchyData.csv file requires a header.

Hierchey,Level,Value,Patent Value
Custom Hierarchy 1,Item,E540,Latitude
Custom Hierarchy 1,Brand,Latitude,Laptops
Custom Hierarchy 1,Category,Computers,Electronics

Uploading the .csv File

When you upload your .csv file, remember:

• You can upload data from multiple hierarchies in a single.csv upload

• The lowest level member (Item, Customer Site, Organization) must exist in the system as either collections or legacy uploads. You cannot create new items, customer sites, or organizations using this .csv file upload. The upload generates an error if the lowest level member does not exist in the system.

• Upload is always incremental. In a hierarchy, if value has an existing parent, the new parent replaces it. If the value does not have a parent in this hierarchy, it creates a new association.

• A level value cannot be associated to multiple parents.

• The system does not permit any ragged or skipped levels. That is, in a hierarchy all members of a level must have the same number of ancestors.

Custom Measures

APCC supports 10 new custom measures for supply plans at the following granularity: Item, Org, Date, Supplier Site, Source Org, Order Type. Item and Org are the only required dimensions. The measures can be Non-Plan or Plan-specific, as determined by the selection of Plan Type in your upload.

You can populate data for these custom measures in one of two ways:

• A batch process. You use the APCC ETL hook for plan-specific measures or the Collections hook for non plan-specific measures to write custom logic to populate these measures.

• Use the new .csv file, CustomSupplyMeasures.csv, to upload data directly.

When you use the .csv file to upload the measures, the mapping is automatically created by using the available ATTRIBUTE1..n columns.

All of the supply plan types supported by APCC support these custom measures.
Uploading Custom Measures

You upload custom measures in a single .csv file in the format shown below. The first row is a required header row.

CustomSupplyMeasures.csv

MeasureName, Item, Org, Date, SourceOrg, SupplierSite, OrderType, MeasureValue
PO Receipts, E540, M1, 02-Mar-2014, , AcmeEngineering, , 1200

The upload process and validations include the following:

- Date format is expected to be in the default user format.
- All uploads include dimension value names, no IDs.
- The upload UI allows you to indicate if this is a New, Replace or Append action.
  - New means a new version of the Plan will be created.
  - Append means data will be added to existing measure data of the latest version.
  - Replace means existing latest version will be replaced by the uploaded data.
- All errors are written into a log. The upload process continues with the remaining rows and skips the errors. You can fix and re-submit the error rows in the Append mode.
- You can use OBIEE Answers to validate the uploaded data.

The current upload user interface, Load Fact Data from External Systems, which is accessible from Advanced Planning Scenario Manager responsibility, is renamed Load APCC Data and modified to support the upload of Custom Hierarchies and Custom Measures, in addition to the standard measures.

New Measures

There are two new measures for APCC:

- Projected On Hand
- Total Demand Fulfilled

Projected On Hand Value and Projected On Hand Value – Reporting Currency

APCC supports the "Projected On Hand" measure for doing days of cover analysis using Projected On Hand. This enhancement lets you perform analysis without any need for customization.

In addition to Projected On Hand, APCC adds two related measures:
• Projected On Hand Value

• Projected On Hand Value – Reporting Currency

These measures are the value versions in functional and reporting currency respectively, and share the same dimensionality and aggregation rule as the base unit measure.

Measure Specifications

• Measure Name: Projected On Hand

• Measure Group (Folder): Inventory Analysis

• Meaning: Expected on hand quantity (in units) on a given day based on beginning on hand and current scheduled receipts based on due dates prior to the plan run and not including any planned orders, reschedules or cancellations.

• Dimensionality: Item, Organization, Date

• Aggregation Rule: Sum (by all dimensions except Time), Last (by Time)

• Calculated in Plan Types: ASCP, RP

  Note: This measure is not currently included in any of the existing out-of-box reports.

Total Demand Fulfilled

APCC supports the ability to enable a time-phased view of exact fulfilled demand. This feature is currently not available in ASCP, APCC or Demantra. You use this measure in the Build Plan Report.

Measure Specification:

• Measure Name: Total Demand Fulfilled

• Measure Group: Demand Satisfaction

• Meaning: Sum of Pegged Supply Qty (to all demands across all End Items)

• Dimensionality: Item, Organization, Date

• Aggregation Rule: Sum (by all dimensions)

• Calculated in Plan Types: ASCP, RP

  Note: This feature is similar to Constrained Forecast, which is
calculated using Quantity Satisfied by Due Date. It differs in that this new measure provides exact fulfillment dates, based on pegging, unlike Constrained Forecast.

**Note:** This measure differs from other pegging related measures, such as in that it is not based on end demand order types.

### The Inventory Analysis Functional Area

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

<table>
<thead>
<tr>
<th>Measure</th>
<th>Description</th>
<th>Conforming Dimensions</th>
<th>Aggregate Rules</th>
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<tbody>
<tr>
<td>Projected available balance - value</td>
<td>Projected Available Balance value in functional currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>(functional currency)</td>
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<td>Time dimension = Last</td>
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<tr>
<td>Projected available balance - value in IO</td>
<td>Projected Available Balance value in functional currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>plan (functional currency)</td>
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<td>Time dimension = Last</td>
</tr>
<tr>
<td>Projected available balance - value</td>
<td>Projected Available Balance value in reporting currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>(reporting currency)</td>
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<td>Time dimension = Last</td>
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<tr>
<td>Projected available balance - value</td>
<td>Projected Available Balance value in reporting currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>(reporting currency)</td>
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<td></td>
<td>Time dimension = Last</td>
</tr>
<tr>
<td>Projected available balance - units</td>
<td>Projected Available Balance - quantity</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td></td>
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<td></td>
<td>Time dimension = Last</td>
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<tr>
<td><strong>Measure</strong></td>
<td><strong>Description</strong></td>
<td><strong>Conforming Dimensions</strong></td>
<td><strong>Aggregate Rules</strong></td>
</tr>
<tr>
<td>-------------</td>
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</tr>
</tbody>
</table>
| Projected available balance - units in IO plan | Projected Available Balance - quantity | Scenario, Plan, Organization, Item, Time | All dimensions except time = Sum  
Time dimension = Last |
| 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 |
<table>
<thead>
<tr>
<th>Measure</th>
<th>Description</th>
<th>Conforming Dimensions</th>
<th>Aggregate Rules</th>
</tr>
</thead>
</table>
| Carrying Cost – value (reporting currency)                              | Carrying cost value in reporting currency                                   | Scenario, Plan, Organization, Item, Time | All dimensions except time = Sum  
Time dimension = Sum |
| 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 |
<table>
<thead>
<tr>
<th>Measure</th>
<th>Description</th>
<th>Conforming Dimensions</th>
<th>Aggregate Rules</th>
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<tbody>
<tr>
<td>Service level</td>
<td>Service Level (achieved) based on quantity satisfied on time (only in case of IO plans)</td>
<td>Scenario, Plan, Organization, Item, Time, Customer, Demand class</td>
<td>All dimensions except time = Avg</td>
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<tr>
<td></td>
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<td></td>
<td>Time dimension = Avg</td>
</tr>
<tr>
<td>Inventory turns</td>
<td>Ratio of annualized cost of goods sold to average projected available balance</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Avg</td>
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<td></td>
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<td>Time dimension = Avg</td>
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<tr>
<td>Inventory turns in IO plan</td>
<td>Ratio of annualized cost of goods sold to average projected available balance</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Avg</td>
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<td>Time dimension = Avg</td>
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<tr>
<td>Total Supply</td>
<td>Sum of all supplies</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td></td>
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<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Total Demand</td>
<td>Sum of all demands</td>
<td>Scenario, Plan, Organization, Item, Time, Customer</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Planned Orders</td>
<td>Recommended planned order quantity</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Scheduled Receipts</td>
<td>Scheduled Receipt quantity from current open supplies</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<td>Measure</td>
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<td>Conforming Dimensions</td>
<td>Aggregate Rules</td>
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<tr>
<td>On hand</td>
<td>Beginning on hand</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>On hand in IO plan</td>
<td>Beginning on hand</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<td>Minimum Inventory Level</td>
<td>Minimum inventory level</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Maximum Inventory Level</td>
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<td>All dimensions except time = Sum</td>
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<td>Time dimension = Last</td>
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<tr>
<td>Safety stock</td>
<td>Safety stock quantity</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Last</td>
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<tr>
<td>Safety stock in IO plan</td>
<td>Safety stock quantity</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td></td>
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<td>Time dimension = Last</td>
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<tr>
<td>Order Quantity</td>
<td>Order quantity</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Supplier, Ship method, Demand class, Order type, Project</td>
<td>All dimensions except time = Sum</td>
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## The Overall Plan Health Functional Area

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

<table>
<thead>
<tr>
<th>Measure</th>
<th>Description</th>
<th>Conforming Dimensions</th>
<th>Aggregate Rules</th>
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</thead>
<tbody>
<tr>
<td>Exceptions - Count</td>
<td>Exceptions - Count</td>
<td>Scenario, Plan, Organization, Item, Resource, Time, Customer, Supplier, Exception Type, Project</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Exceptions - Value (functional currency)</td>
<td>Exceptions - Value in functional currency</td>
<td>Scenario, Plan, Organization, Item, Resource, Time, Customer, Supplier, Exception Type, Project</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Exceptions - Value (reporting currency)</td>
<td>Exceptions - Value in reporting currency</td>
<td>Scenario, Plan, Organization, Item, Resource, Time, Customer, Supplier, Exception Type, Project</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Measure</td>
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<td>Conforming Dimensions</td>
<td>Aggregate Rules</td>
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<tr>
<td>Exceptions - Days</td>
<td>Exceptions - Days</td>
<td>Scenario, Plan, Organization, Item, Resource, Time, Customer, Supplier, Exception Type, Project</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>Exceptions - Quantity</td>
<td>Exceptions - Quantity</td>
<td>Scenario, Plan, Organization, Item, Resource, Time, Customer, Supplier, Exception Type, Project</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Exceptions - Ratio</td>
<td>Exceptions - Quantity</td>
<td>Scenario, Plan, Organization, Item, Resource, Time, Customer, Supplier, Exception Type, Project</td>
<td>All dimensions except time = Avg</td>
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<td>Time dimension = Avg</td>
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<tr>
<td>Safety Stock violations</td>
<td>Number of times the inventory fell below safety stock</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Use Alternate Sources (count)</td>
<td>Number of times alternate sources were recommended</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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</tr>
<tr>
<td>Use Alternate Suppliers (count)</td>
<td>Number of times alternate suppliers were recommended</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
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<tr>
<td>Planned Orders within Planning</td>
<td>Number of planned orders within the planning time fence</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>Time Fence</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Measure</td>
<td>Description</td>
<td>Conforming Dimensions</td>
<td>Aggregate Rules</td>
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</tr>
<tr>
<td>Planned Orders exceeding Order Modifiers</td>
<td>Number of planned orders with quantity more than order modifier quantity</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier, Project</td>
<td>All dimensions except time = Sum&lt;br&gt;Time dimension = Sum</td>
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<tr>
<td>Planned Orders created before work orders</td>
<td>Number of planned orders created before an existing work order</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier, Project</td>
<td>All dimensions except time = Sum&lt;br&gt;Time dimension = Sum</td>
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<tr>
<td>Planned Orders</td>
<td>Planned order quantity</td>
<td>Scenario, Plan, Organization, Item, Resource, Time</td>
<td>All dimensions except time = Sum&lt;br&gt;Time dimension = Sum</td>
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<tr>
<td>Independent Dem Qty</td>
<td>End demand quantity</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum&lt;br&gt;Time dimension = Sum</td>
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<tr>
<td>Dependent Dem Qty</td>
<td>Intermediate demand quantity</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum&lt;br&gt;Time dimension = Sum</td>
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<tr>
<td>Items with no activity</td>
<td>Number of items with no activity</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum&lt;br&gt;Time dimension = Sum</td>
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<tr>
<td>Avg Qty of supply pegged to highest priority dem</td>
<td>Avg Qty of supply pegged to highest priority dem</td>
<td>Scenario, Plan, Organization, Item</td>
<td>All dimensions except time = Sum&lt;br&gt;Time dimension = Sum</td>
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<tr>
<td>Measure</td>
<td>Description</td>
<td>Conforming Dimensions</td>
<td>Aggregate Rules</td>
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</tr>
<tr>
<td>Late Demand Satisfaction factor</td>
<td>Demand lateness measured as quantity of end demands unmet on due date times the number of days late</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class</td>
<td>All dimensions except time = Sum</td>
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<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Production to plan</td>
<td>Percentage of actual production to planned production</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = not applicable</td>
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<td>Time dimension = not applicable</td>
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<tr>
<td>Shipments to plan</td>
<td>Percentage of actual shipments to planned shipments</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = not applicable</td>
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<td>Time dimension = not applicable</td>
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</table>

**The Supply Chain Costs and Profitability Functional Area**

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

<table>
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<th>Measure</th>
<th>Description</th>
<th>Conforming Dimensions</th>
<th>Aggregate Rules</th>
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</thead>
<tbody>
<tr>
<td>Revenues (functional currency)</td>
<td>Revenues (in functional currency)</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Revenues (functional currency) in IO plan</td>
<td>Revenues (in functional currency)</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<td>Measure</td>
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<td>Aggregate Rules</td>
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<tr>
<td>Revenues (reporting currency)</td>
<td>Revenues (in reporting currency)</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>Revenues (reporting currency) in IO plan</td>
<td>Revenues (in reporting currency)</td>
<td>Scenario, Plan, Organization, Item, Time</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Revenues (functional currency) - Cum</td>
<td>Cumulative Revenues (in functional currency)</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Revenues (functional currency) in IO plan - Cum</td>
<td>Cumulative Revenues (in functional currency)</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Revenues (reporting currency) - Cum</td>
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<td>Time dimension = Sum</td>
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<td>Revenues (reporting currency) in IO plan - Cum</td>
<td>Cumulative Revenues (in reporting currency)</td>
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<td>Time dimension = Sum</td>
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<td>Gross Margin %</td>
<td>Gross margin (percentage)</td>
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<td>Time dimension = Sum</td>
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<td>Measure</td>
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<td>Aggregate Rules</td>
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<tr>
<td>Gross Margin % in IO plan</td>
<td>Gross margin (percentage)</td>
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<td>Time dimension = Sum</td>
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<td>Cum Gross Margin %</td>
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<td>Cum Gross Margin % in IO plan</td>
<td>Cumulative Gross margin (percentage)</td>
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<td>Gross Margin (functional currency)</td>
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<tr>
<td>Gross Margin (functional currency) in IO plan</td>
<td>Gross margin in functional currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Gross Margin (reporting currency)</td>
<td>Gross margin in reporting currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Gross Margin (reporting currency) in IO plan</td>
<td>Gross margin in reporting currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>Measure</td>
<td>Description</td>
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<td>Aggregate Rules</td>
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</tbody>
</table>
| 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 |
| 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 |
<table>
<thead>
<tr>
<th>Measure</th>
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</table>
| 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 |
| 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  
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| 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 |
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<th>Measure</th>
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<tbody>
<tr>
<td>Total Supply Chain costs - % of revenue</td>
<td>Total Supply Chain costs - % of revenue</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Total Supply Chain costs - % of revenue in IO plan</td>
<td>Total Supply Chain costs - % of revenue in IO plan</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Carrying Cost (functional currency)</td>
<td>Carrying cost value in functional currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<td>Carrying Cost (functional currency) in IO plan</td>
<td>Carrying cost value in functional currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
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<td>Carrying Cost (functional currency) - Cum</td>
<td>Cumulative Carrying cost value in functional currency</td>
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<td>Carry Cost (functional currency) in IO plan - Cum</td>
<td>Cumulative Carrying cost value in functional currency</td>
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<td>Carry Cost (reporting currency) - Cum</td>
<td>Cumulative Carrying cost value in reporting currency</td>
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<td>Carry Cost (reporting currency) in IO plan - Cum</td>
<td>Cumulative Carrying cost value in reporting currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum, Time dimension = Sum</td>
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<tr>
<td>Variance of PAB over mean</td>
<td>Variance of PAB over mean</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum, Time dimension = Sum</td>
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<tr>
<td>Manufacturing cost (functional currency)</td>
<td>Manufacturing cost value in functional currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum, Time dimension = Sum</td>
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<td>Manufacturing cost (functional currency) in IO plan</td>
<td>Manufacturing cost value in functional currency</td>
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</table>
| **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) in IO plan | Purchasing cost value in functional currency | Scenario, Plan, Organization, Item, Time | All dimensions except time = Sum  
Time dimension = Sum |
| **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) in IO plan | 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 |
<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Transportation cost (functional currency)</td>
<td>Transportation cost value in functional currency</td>
<td>Scenario, Plan, Organization, Item, Time, Ship method</td>
<td>All dimensions except time = Sum</td>
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<td>in IO plan</td>
<td>Transportatio value in functional currency</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Transportation cost (reporting currency)</td>
<td>Transportation cost value in reporting currency</td>
<td>Scenario, Plan, Organization, Item, Time, Ship method</td>
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<td>Transportatio value in reporting currency</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Manufacturing cost (functional currency) - Cum</td>
<td>Cumulative Manufacturing cost value in functional currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
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<td>Manufacturing cost (functional currency) in IO plan - Cum</td>
<td>Cumulative Manufacturing cost value in functional currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>Time dimension = Sum</td>
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<td>Manufacturing cost (reporting currency) - Cum</td>
<td>Cumulative Manufacturing cost value in reporting currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
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<td>Manufacturing cost (reporting currency) in IO plan - Cum</td>
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<td>Scenario, Plan, Organization, Item, Time</td>
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<td>Purchasing cost (functional currency) - Cum</td>
<td>Cumulative Purchasing cost value in functional currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
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<td>Cumulative Purchasing cost value in functional currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
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<td>Purchasing cost (reporting currency) - Cum</td>
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<td>Cumulative Purchasing cost value in reporting currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>Resource cost in functional currency - Cum</td>
<td>Cumulative Resource cost value in functional currency</td>
<td>Scenario, Plan, Organization, Resource, Time</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>Resource cost in reporting currency - Cum</td>
<td>Cumulative Resource cost value in reporting currency</td>
<td>Scenario, Plan, Organization, Resource, Time</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>Transportation cost (functional currency)</td>
<td>Cumulative Transportation cost value in functional currency</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum, Time dimension = Sum</td>
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<td>in IO plan - Cum</td>
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<tr>
<td>Transportation cost (reporting currency)</td>
<td>Transportation cost value in reporting currency</td>
<td>Scenario, Plan, Organization, Item, Time, Ship method</td>
<td>All dimensions except time = Sum, Time dimension = Sum</td>
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<tr>
<td>in IO plan - Cum</td>
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<tr>
<td>VMI Inventory – value (functional currency)</td>
<td>Projected Available Balance value (in functional currency) of vendor managed items</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum, Time dimension = Last</td>
</tr>
<tr>
<td>VMI Inventory – value (reporting currency)</td>
<td>Projected Available Balance value (in reporting currency) of vendor managed items</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum, Time dimension = Last</td>
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</table>

**The Replenishment Planning Functional Area**

This table lists the primary measures of the Replenishment Planning functional area:
The Demand Satisfaction Functional Area

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

<table>
<thead>
<tr>
<th>Measure</th>
<th>Description</th>
<th>Conforming Dimensions</th>
<th>Aggregate Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>VMI Inventory - % of total inventory</td>
<td>Ratio (percentage) of projected available balance value in [functional currency] of vendor managed items to the total projected available balance of all items.</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td></td>
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<td></td>
<td>Time dimension = Last</td>
</tr>
<tr>
<td>VMI items stockout days</td>
<td>Sum of stock out days of vendor managed items</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<tr>
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<td>Time dimension = Sum</td>
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<tr>
<td>VMI items service level</td>
<td>Fill rate of the end demands of vendor managed items based on quantity satisfied on time</td>
<td>Scenario, Plan, Organization, Item, Time, Customer, Demand class</td>
<td>All dimensions except time = Avg</td>
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<td>Time dimension = Avg</td>
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<thead>
<tr>
<th>Measure</th>
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<th>Aggregate Rules</th>
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</thead>
<tbody>
<tr>
<td>Late orders ratio (count)</td>
<td>Demand lateness measured as the percentage of number of end demand lines unmet on due date</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class</td>
<td>All dimensions except time = not applicable</td>
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<td>Time dimension = not applicable</td>
</tr>
<tr>
<td>Late Orders ratio (value)</td>
<td>Demand lateness measured as the percentage of value of end demand lines unmet on due date</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class</td>
<td>All dimensions except time = not applicable</td>
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<tr>
<td>Late Sales Orders (count)</td>
<td>Number of sales order lines that are satisfied late.</td>
<td>Scenario, Plan, Organization, Item, Time, Customer</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Late Sales Orders (days)</td>
<td>Number of days late of the sales orders lines that are satisfied late.</td>
<td>Scenario, Plan, Organization, Item, Time, Customer</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Late Sales Orders (value)</td>
<td>Value of sales order lines that are satisfied late.</td>
<td>Scenario, Plan, Organization, Item, Time, Customer</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>- functional currency</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Late Sales Orders (value)</td>
<td>Value (in reporting currency) of sales order lines that are satisfied late.</td>
<td>Scenario, Plan, Organization, Item, Time, Customer</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>- reporting currency</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Late Forecasts (count)</td>
<td>Number of forecasts that are satisfied late.</td>
<td>Scenario, Plan, Organization, Item, Time, Customer</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Target Service Level</td>
<td>Target Service level of the end demands.</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class</td>
<td>All dimensions except time = min</td>
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<td>Time dimension = min</td>
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<tr>
<td>Target Service Level in IO plan</td>
<td>Target Service level of the end demands.</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class</td>
<td>All dimensions except time = min</td>
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<tr>
<td>Service Level</td>
<td>Service Level (achieved) based on quantity satisfied on time (only in case of IO plans)</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class</td>
<td>All dimensions except time = not applicable Time dimension = not applicable</td>
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<tr>
<td>Line Fill rate (count)</td>
<td>Fill rate of the end demands measured as a percentage of number of lines at least partially satisfied on time</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class</td>
<td>All dimensions except time = not applicable Time dimension = not applicable</td>
</tr>
<tr>
<td>Perfect Order Index</td>
<td>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)</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class</td>
<td>All dimensions except time = Sum Time dimension = Sum</td>
</tr>
<tr>
<td>Unmet Demand history</td>
<td>Unmet Demand quantity for the past</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer</td>
<td>All dimensions except time = Sum Time dimension = Sum</td>
</tr>
<tr>
<td>Unmet Demand</td>
<td>Unmet Demand quantity - projected</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer</td>
<td>All dimensions except time = Sum Time dimension = Sum</td>
</tr>
<tr>
<td>Unmet Revenue (functional currency)</td>
<td>Value of sales orders not satisfied by due date (in functional currency)</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class</td>
<td>All dimensions except time = Sum Time dimension = Sum</td>
</tr>
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<td>Measure</td>
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<tr>
<td>Unmet Revenue (functional currency) in IO plan</td>
<td>Value of sales orders not satisfied by due date (in functional currency)</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>Unmet Revenue (reporting currency)</td>
<td>Value of sales orders not satisfied by due date (in reporting currency)</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class</td>
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<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Past Due Backlog quantity</td>
<td>Backlog of unmet sales orders measured as quantity requested less quantity satisfied (cumulative)</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Sales Orders scheduled within request date (% of total)</td>
<td>Percentage of number of sales orders scheduled within requested date.</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Sales Orders beyond acceptable date (%)</td>
<td>Percentage of number of sales orders scheduled beyond acceptable date</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class</td>
<td>All dimensions except time = Sum</td>
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</table>

The Manufacturing Efficiency Functional Area

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<tbody>
<tr>
<td>Resource availability</td>
<td>Resource availability measured as resource hours x capacity units</td>
<td>Scenario, Plan, Organization, Resource, Time</td>
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<tr>
<td>Resource requirements</td>
<td>Resource requirements measured as required hours x assigned units</td>
<td>Scenario, Plan, Organization, Resource, Time</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Net Resource Availability</td>
<td>Net Resource availability after meeting the requirements</td>
<td>Scenario, Plan, Organization, Resource, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Cum Net Resource</td>
<td>Cum Net Resource availability till date</td>
<td>Scenario, Plan, Organization, Resource, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Availability</td>
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<tr>
<td>Resource utilization %</td>
<td>Resource utilization as a ratio (percentage) of resource requirements to</td>
<td>Scenario, Plan, Organization, Resource, Time</td>
<td>All dimensions except time = not</td>
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<td>Time dimension = not applicable</td>
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<tr>
<td>Resource Overloaded</td>
<td>The average load ratio for the overloaded resources</td>
<td>Scenario, Plan, Organization, Item, Resource, Time</td>
<td>All dimensions except time = Avg</td>
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<tr>
<td>(ratio)</td>
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<td>Time dimension = Avg</td>
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<tr>
<td>Production plan</td>
<td>Quantity of make orders that are due in this bucket.</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<td>Measure</td>
<td>Description</td>
<td>Conforming Dimensions</td>
<td>Aggregate Rules</td>
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<tr>
<td>WIP start quantity</td>
<td>Quantity of make orders that start in this bucket.</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Avg</td>
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<td>Time dimension = Avg</td>
</tr>
<tr>
<td>Avg make order qty - % of Avg daily demand</td>
<td>Make order frequency - measured as a ratio (percentage) average make order quantity to the average daily demand in the plan</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Avg</td>
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<td>Time dimension = Avg</td>
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<tr>
<td>Setup time - % of total hours</td>
<td>Ratio (percentage) of setup resource hours to the total resource requirements</td>
<td>Scenario, Plan, Organization, Resource, Time</td>
<td>All dimensions except time = Avg</td>
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<td>Time dimension = Avg</td>
</tr>
<tr>
<td>Cycle time</td>
<td>Average cycle time taken per order</td>
<td>Scenario, Plan, Organization, Item, Resource, Time</td>
<td>All dimensions except time = Avg</td>
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<td>Time dimension = Avg</td>
</tr>
<tr>
<td>Throughput rate</td>
<td>Average quantity per hour</td>
<td>Scenario, Plan, Organization, Item, Resource, Time</td>
<td>All dimensions except time = Avg</td>
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<td>Time dimension = Avg</td>
</tr>
<tr>
<td>Planned mfg lead time (% of estimate)</td>
<td>Average planned lead time as percentage of estimated lead time</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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</table>

**The Sourcing Efficiency Functional Area**

This table lists the primary measures of the Sourcing Efficiency functional area:
<table>
<thead>
<tr>
<th>Measure</th>
<th>Description</th>
<th>Conforming Dimensions</th>
<th>Aggregate Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>PO reschedules - % of total POs</td>
<td>Number of purchase orders rescheduled as a percentage of the total purchase orders</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td></td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Rescheduled Orders (days)</td>
<td>Total days of all Purchase orders, work orders that are recommended to be rescheduled</td>
<td>Scenario, Plan, Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
</tr>
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<td></td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>PO cancellations - % of total POs</td>
<td>Number of purchase orders cancelled as a percentage of the total purchase orders</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Supplier spend (functional currency)</td>
<td>New buy order value in functional currency</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Supplier spend (reporting currency)</td>
<td>New buy order value in reporting currency</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
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<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Total buy orders – count</td>
<td>Number of new buy orders</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Supply volume</td>
<td>Order Quantity of all buy and transfer orders</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier, Source</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
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<tr>
<td>Measure</td>
<td>Description</td>
<td>Conforming Dimensions</td>
<td>Aggregate Rules</td>
</tr>
<tr>
<td>----------------------------------------------</td>
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<td>--------------------------------------</td>
</tr>
<tr>
<td>Supplier Capacity Available</td>
<td>Supplier Capacity available (gross) in units</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Supplier Capacity Required</td>
<td>Supplier Capacity required in units</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
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<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Supplier capacity net available (cum)</td>
<td>Supplier Capacity available (net) in units</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = First</td>
</tr>
<tr>
<td>Supplier capacity utilization %</td>
<td>Ratio (percentage) of supplier capacity required to availability</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier</td>
<td>All dimensions except time = Avg</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Avg</td>
</tr>
<tr>
<td>Buys from a non-rank - 1 supplier (%)</td>
<td>Number of new buy orders placed on a non-rank - 1 supplier as a percentage of total new buy orders</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier</td>
<td>All dimensions except time = not applicable</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = not applicable</td>
</tr>
<tr>
<td>Avg buy order qty - % of Avg daily demand</td>
<td>Average new buy order quantity as a percentage of average daily demand</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier</td>
<td>All dimensions except time = Avg</td>
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<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Avg</td>
</tr>
<tr>
<td>Count of items single sourced</td>
<td>count of items single sourced</td>
<td>Scenario, Plan, Organization, Item, Time, Supplier</td>
<td>All dimensions except time = Avg</td>
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<tr>
<td></td>
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<td>Time dimension = Avg</td>
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</table>
## The Forecasting Functional Area

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

<table>
<thead>
<tr>
<th>Measure</th>
<th>Description</th>
<th>Conforming Dimension</th>
<th>Aggregate Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forecast accuracy %</td>
<td>Forecast Accuracy percentage</td>
<td>not applicable</td>
<td>not applicable</td>
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<tr>
<td>Demand priority</td>
<td>Demand Priority</td>
<td>not applicable</td>
<td>not applicable</td>
</tr>
<tr>
<td>Consensus forecast</td>
<td>Consensus forecast quantity</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum (\text{Sum})</td>
</tr>
<tr>
<td>Consensus forecast - value</td>
<td>Consensus forecast value in functional currency</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum (\text{Sum})</td>
</tr>
<tr>
<td>Consensus forecast - value</td>
<td>Consensus forecast value in reporting currency</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum (\text{Sum})</td>
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<tr>
<td>Consensus forecast - cum</td>
<td>Cumulative forecasting quantity</td>
<td>Scenario, Plan, Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = not applicable (\text{not applicable})</td>
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<td>Sales Forecast</td>
<td>Sales forecast quantity</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum (\text{Sum})</td>
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<tr>
<td>Measure</td>
<td>Description</td>
<td>Conforming Dimension</td>
<td>Aggregate Rules</td>
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<td>Sales Forecast - value (functional currency)</td>
<td>Sales forecast value in [functional currency]</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Sales Forecast - value (reporting currency)</td>
<td>Sales forecast value in reporting currency</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Sales forecast - cum</td>
<td>Cumulative sales forecast quantity</td>
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<td>All dimensions except time = not applicable</td>
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<td></td>
<td>Time dimension = not applicable</td>
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<tr>
<td>Marketing Forecast</td>
<td>Marketing forecast quantity</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Marketing Forecast - value (functional currency)</td>
<td>Marketing forecast value in functional currency</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
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<tr>
<td>Marketing Forecast - value (reporting currency)</td>
<td>Marketing forecast value in reporting currency</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Marketing forecast - cum</td>
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<td>Time dimension = not applicable</td>
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<td>Measure</td>
<td>Description</td>
<td>Conforming Dimension</td>
<td>Aggregate Rules</td>
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<td>Budget (functional currency)</td>
<td>Budget value in functional currency</td>
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<tr>
<td>Budget (reporting currency)</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Budget (functional currency) - Cum</td>
<td>Cumulative Budget value in functional currency</td>
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<td>Time dimension = Sum</td>
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<td>Budget (reporting currency) - Cum</td>
<td>Cumulative Budget value in reporting currency</td>
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<td>Bookings forecast</td>
<td>Bookings forecast quantity</td>
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<td>Time dimension = Sum</td>
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<td>Bookings forecast - value (functional currency)</td>
<td>Bookings forecast value in functional currency</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
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<td>Time dimension = Sum</td>
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<td>Bookings forecast - value (reporting currency)</td>
<td>Bookings forecast value in reporting currency</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
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<td>Final forecast</td>
<td>Final forecast quantity</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
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<td>Final forecast - value (functional currency)</td>
<td>Final forecast value in functional currency</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
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<td>Final forecast - value (reporting currency)</td>
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<td>Final forecast - cum</td>
<td>Cumulative final forecast quantity</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
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<td>Time dimension = not applicable</td>
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<tr>
<td>Bookings forecast - accuracy %</td>
<td>Booking forecast accuracy as a percentage</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
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<td>Bookings forecast - cum</td>
<td>Cumulative booking forecast quantity</td>
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<td>Shipment forecast</td>
<td>Shipment forecast quantity</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
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<td>Shipment forecast - value (functional currency)</td>
<td>Shipment forecast value in functional currency</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
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<tr>
<td>Shipment forecast - value (reporting currency)</td>
<td>Shipment forecast value in reporting currency</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
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<td>Time dimension = Sum</td>
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<tr>
<td>Shipment forecast accuracy %</td>
<td>Shipment forecast accuracy as a percentage</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Avg</td>
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<td></td>
<td>Time dimension = Avg</td>
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<tr>
<td>Shipment forecast - cum</td>
<td>Cumulative shipment forecast quantity</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = not applicable</td>
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<td></td>
<td></td>
<td>Time dimension = not applicable</td>
</tr>
<tr>
<td>Projected Backlog</td>
<td>Projected backlog quantity measured as difference between shipments and bookings forecasts</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
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<td></td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Actual Backlog</td>
<td>Actual backlog quantity measured as difference between actual shipments and bookings</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
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<td></td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Backlog</td>
<td>Sum of actual backlog and the projected backlog</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
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<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Measure</td>
<td>Description</td>
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<td>Aggregate Rules</td>
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</tr>
<tr>
<td>Production history</td>
<td>Actual Production history quantity</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td>Shipment history</td>
<td>Shipment history quantity</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td>Shipment history - value (functional currency)</td>
<td>Shipment history value in functional currency</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td>Shipment history - value (reporting currency)</td>
<td>Shipment history value in reporting currency</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td>Bookings history</td>
<td>Booking history quantity</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td>Attained Bookings %</td>
<td>Attained Bookings as a percentage of Consensus forecast</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td>Bookings history - value (functional currency)</td>
<td>Booking history value in functional currency</td>
<td>Organization, Item, Time, Priority, Customer, Demand class, Order Type</td>
<td>All dimensions except time = Sum</td>
</tr>
</tbody>
</table>
The Network Design Functional Area

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

<table>
<thead>
<tr>
<th>Measure</th>
<th>Description</th>
<th>Conforming Dimensions</th>
<th>Aggregate Rules</th>
</tr>
</thead>
<tbody>
<tr>
<td>Net Demand</td>
<td>Net effective demand measured as maximum of actual sales order quantity or forecast quantity</td>
<td>Scenario, Plan Organization, Item, Time, Customer</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Measure</td>
<td>Description</td>
<td>Conforming Dimensions</td>
<td>Aggregate Rules</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>---------------------------------------------------------</td>
<td>---------------------------------------------------</td>
<td>-----------------------------------------------------</td>
</tr>
<tr>
<td>Constrained Forecast</td>
<td>Constrained or satisfied forecast quantity</td>
<td>Scenario, Plan Organization, Item, Time, Customer</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Constrained Forecast - value (functional currency)</td>
<td>Constrained or satisfied forecast value in functional currency</td>
<td>Scenario, Plan Organization, Item, Time, Customer</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Constrained Forecast - value (reporting currency)</td>
<td>Constrained or satisfied forecast value in reporting currency</td>
<td>Scenario, Plan Organization, Item, Time, Customer</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Constrained Forecast - cum</td>
<td>Cumulative constrained or satisfied forecast quantity</td>
<td>Scenario, Plan Organization, Item, Time, Customer</td>
<td>All dimensions except time = not applicable</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = not applicable</td>
</tr>
<tr>
<td>Constrained Forecast - Cum value (functional currency)</td>
<td>Cumulative Constrained or satisfied forecast value in functional currency</td>
<td>Scenario, Plan Organization, Item, Time, Customer</td>
<td>All dimensions except time = Cum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Cum</td>
</tr>
<tr>
<td>Constrained Forecast - Cum value (reporting currency)</td>
<td>Cumulative Constrained or satisfied forecast value in reporting currency</td>
<td>Scenario, Plan Organization, Item, Time, Customer</td>
<td>All dimensions except time = Cum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Cum</td>
</tr>
<tr>
<td>Budget Shortfall - functional currency</td>
<td>Shortfall from Budget based on constrained forecast</td>
<td>Scenario, Plan Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Measure</td>
<td>Description</td>
<td>Conforming Dimensions</td>
<td>Aggregate Rules</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>---------------------------------------------</td>
<td>---------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Budget Shortfall -</td>
<td>Shortfall from Budget based on constrained forecast</td>
<td>Scenario, Plan Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td>reporting currency</td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Budget Shortfall %</td>
<td>Percent Shortfall from Budget based on constrained forecast</td>
<td>Scenario, Plan Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td>Inventory Build Target</td>
<td>Target Inventory quantity</td>
<td>Scenario, Plan Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = Last</td>
</tr>
<tr>
<td>Manufacturing forecast</td>
<td>Intermediate forecast demand including component demand and inter-</td>
<td>Scenario, Plan Organization, Item, Time</td>
<td>All dimensions except time = Sum</td>
</tr>
<tr>
<td></td>
<td>organization transfer demand</td>
<td></td>
<td>Time dimension = Sum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Fill rate</td>
<td>Fill rate of the end demands based on quantity satisfied on time</td>
<td>Scenario, Plan Organization, Item, Time</td>
<td>All dimensions except time = not applicable</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Time dimension = not applicable</td>
</tr>
</tbody>
</table>

**Oracle Rapid Planning Measures**

The following is the comprehensive list of measures that are required to support the Rapid Planning reports that are available in Oracle Advanced Planning Command Center:

**Resource Facts**

<table>
<thead>
<tr>
<th>Facts</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Resource Requirement</td>
<td>Resource requirement in the supply chain</td>
</tr>
</tbody>
</table>
### Resource Availability
- Available resource capacity

### Resource Utilization %
- Utilization % of resources, that is, the ratio of resource requirement to resource availability

### Supplier Capacity Utilization %
- Ratio (percentage) of supplier capacity required to availability

### Inventory Facts

<table>
<thead>
<tr>
<th>Facts</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Projected Available Balance – Days of Cover</td>
<td>Projected inventory at the end a period represented in time units</td>
</tr>
<tr>
<td>Projected Available Balance - Quantity</td>
<td>Projected inventory at the end of a period represented in quantity units</td>
</tr>
<tr>
<td>On Hand</td>
<td>Quantity available at an Item/Location in the beginning of a period represented in quantity units</td>
</tr>
<tr>
<td>Total Supply</td>
<td>Total supply (scheduled receipts, on-hand) in the supply chain represented in quantity units</td>
</tr>
<tr>
<td>Planned Orders</td>
<td></td>
</tr>
<tr>
<td>Projected Inventory Turns</td>
<td>Number of times inventory cycles in a year</td>
</tr>
<tr>
<td>Scheduled Receipts</td>
<td>Open Purchase Order or a Released Work Order with a receipt date and a quantity</td>
</tr>
<tr>
<td>WIP Start</td>
<td>Projected start date and quantity of a Work Order</td>
</tr>
<tr>
<td>Production to Plan</td>
<td>Difference between Planned WIP quantities and completed WIP quantities</td>
</tr>
<tr>
<td>Inventory Value</td>
<td>Projected available balance represented as a value</td>
</tr>
<tr>
<td>Safety Stock</td>
<td>Safety Stock Quantity</td>
</tr>
<tr>
<td>Safety Stock Violation Days</td>
<td>Number of days when inventory at end of a planning bucket was below minimum safety stock targets</td>
</tr>
<tr>
<td>---------------------------</td>
<td>--------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Safety Out Days</td>
<td>Total number of days stocked out</td>
</tr>
</tbody>
</table>

### Demand Facts

<table>
<thead>
<tr>
<th>Facts</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Demand</td>
<td>Total demand (forecast, Sales orders and backlog) in the supply chain represented in quantity units</td>
</tr>
<tr>
<td>Projected Fill Rate</td>
<td>Demand Fill rate which is the percentage of demand that is satisfied</td>
</tr>
<tr>
<td>Forecast</td>
<td>Consumed forecast quantity in ASCP</td>
</tr>
<tr>
<td>Sales Orders</td>
<td>It is a confirmed order from the customer with a due date and is represented as an Order Type in the model.</td>
</tr>
<tr>
<td>Past Due Backlog Quantity</td>
<td>Difference between shipments and forecast in the past period</td>
</tr>
<tr>
<td>Shipments to Plan</td>
<td>Difference between Shipment History and Archived Consensus Forecast</td>
</tr>
<tr>
<td>Shipped Value</td>
<td>Shipment forecast quantity</td>
</tr>
</tbody>
</table>

### Exception Facts

<table>
<thead>
<tr>
<th>Facts</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exceptions (Count)</td>
<td>Exceptions – Count (Stock Outs, Use Alternate Sources, Use Alternate Supplies)</td>
</tr>
<tr>
<td>Exception (Days)</td>
<td>Exceptions – Days (Late Sales Orders, Rescheduled Orders)</td>
</tr>
</tbody>
</table>
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.

To bring your DRP plan into APCC, you need to manually run the Archive Plan Summary program. This concurrent program accepts the Plan, Keep archived version parameter. Valid values are Y or N. You can launch this program for DRP plans with the same version and archiving capability as plan types ASCP, SNO, IO, and SPP.

Note: There is no plan option that enables launch of archive plan summary after every plan run. You need to manually launch this program or schedule, if appropriate.

Once the archive plan summary is completed, you can access the following measures for this DRP plan in Oracle Business Intelligence – Enterprise Edition (OBI-EE).

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:

<table>
<thead>
<tr>
<th>Demantra Plan</th>
<th>Supply Plan</th>
</tr>
</thead>
<tbody>
<tr>
<td>D1 (Day1)(1)</td>
<td>S1 (Day2)(1)</td>
</tr>
<tr>
<td>D1 (Day2)(2)</td>
<td>S1 (Day4)(2)</td>
</tr>
<tr>
<td>D1 (Day4)(3)</td>
<td>S1 (Day7)(3)</td>
</tr>
<tr>
<td>D1 (Day7)(4)</td>
<td></td>
</tr>
</tbody>
</table>

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.

**APCC Archive Plan Summary**

You can increase the performance and speed for ASCP, RP, DRP, IO, and SPP plan archivals by fine tuning the amount of data that is processed in the Archive Plan Summary.

A simplified index results in a smaller fact table volume. The index is also disabled during archiving and rebuilt in a post archive step. Both these features reduce the amount of time it takes to archive your data.

During Plan Archival, the entire plan cannot be archived until several predecessor tasks complete. To make the process faster and improve throughput, these tasks process in parallel. As the diagram below illustrates, the process starts with archive demands. This is followed by archive demands_cum, which processes in parallel with archive item_orders. Summarize demands works in parallel with archive item_inventory, then summarize demands_cum works in parallel with summarize item_orders. The process ends with summarize item_inventory.

**Fine Tuning Your Data for Archive Plan Summary**

You have the option to perform any or all of the following options when you fine tune the Archive Plan Summary program:

- Archive at the manufacturing week or fiscal period level only
- Archive at the manufacturing week or fiscal period level only
- Select a subset of measure for archiving
- Start archive plan summary child requests as early as possible
Defining Your Data

You determine the amount of data that the Archive Plan Summary processes and can target only the data that you need to make available for APCC analysis. You determine this data by defining any or all of the following parameters:

- Time granularity
- Cumulative measures
- Other measures

Time Granularity

Time granularity improves overall performance by reducing the amount of data that is processed. There is no pre-summarization and, by default, the data is archived at the level of the reporting dates. You can archive by the manufacturing week or by fiscal period. The default is to archive by the manufacturing week.

When you select the Week level, the archival process supports roll up of data into months (in the fiscal period hierarchy) by breaking down the weeks into smaller reporting units wherever there are month boundaries. The month totals are still accurate and do not get skewed because of the time granularity selected during archival.

If you set this parameter to fiscal periods, you can further reduce the data volume, but you will not be able to view the data at more detailed levels.

Cumulative Measures

Calculating the cumulative measures takes a large proportion of the overall time in the archival process. By disabling some of these measures, that is, setting a subset of measures for archival, you can cut back on the time it takes to complete the calculations.

Other Measures

You can set the following measures to determine the amount of data you want to archive:

- Supplier Capacity Available and Utilization %
- Count of Sources and Single Items Sourced

Supplier data has four dimensions: Item, Organization, Supplier, and Date. The data for Supplier Capacity is duplicated for each organization to support the organization dimension. To eliminate the time required to process this duplication, the Supplier Capacity Available and Utilization % measure is disabled by default.

Item Attributes

There are 30 custom attributes available in Add Item Attributes. You can populate these
columns through customizations.

Setting Your Data for Archiving

A link under the Supply Chain Analyst responsibility, Advanced Planning Command Center Configuration, opens a page on which you can set time granularity, cumulative measures, and other measures.

Setting Time Granularity and Measures

To configure time granularity, cumulative measures, and other measures:

1. From the Oracle Applications Home Page Main Menu, click Advanced Planning Scenario Manager.

2. Click Others, and click Advanced Planning Command Center Configuration.
   The Advanced Planning Command Center Configuration page opens.

The table below describes each field in the APCC Configuration page.

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Time level at which data is archived</td>
<td>Sets your time granularity</td>
<td>Valid values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Manufacturing Week</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Fiscal Period</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The default value is Manufacturing Week.</td>
</tr>
<tr>
<td>Currency Conversion Option</td>
<td>When you disable currency conversion, reporting currency value is copied from functional currency value.</td>
<td>Valid values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Convert on Fact dates</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Convert on Plan Start date</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Do not convert</td>
</tr>
<tr>
<td></td>
<td></td>
<td>The default value is Convert on Fact dates.</td>
</tr>
</tbody>
</table>
Cumulative Measures | Allows you to exclude these cumulative measures. | Select from the following:

- Supplier Capacity Net Available – Cum
- Net Resource Availability Cum
- Constrained Forecast – Cum (quantity and value) and Budget Shortfall (value and percent)

Other Measures | Allows you to exclude these non-cumulative measures. | Select from the following:

- Supplier Capacity Available and Utilization %
- Count of Sources and Items Single Sourced

The default disables both options.

Accessing Item Attributes

You can access the additional item attributes through any of the APCC dashboards.

To access the item attributes, follow the steps below:

1. From the Oracle applications Home Page, Main Menu, click Supply Chain Analyst Standard, then click Dashboards, and then click Supply Chain Analyst Dashboard. The Supply Chain Analyst Dashboard opens.
2. On the SCA dashboard menu bar, click New, and click Analysis.
   The Subject Area window opens.

3. In the Subject Area window, select Advanced Planning.

4. In the Subject Areas menu, click Dimensions, and click Item.
   A list opens showing all the item attributes that are available in Advanced Planning.

   To populate these Item Attributes, you need to develop your own custom program; if you’re not familiar with how to do this, contact your system administrator.

**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:
<table>
<thead>
<tr>
<th>Profile Option Name</th>
<th>Level</th>
<th>Valid values</th>
<th>Default</th>
<th>Description</th>
</tr>
</thead>
</table>
| 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 uses the org-specific calendar and provides options to use any of the org calendars or the default calendar, based on the profile. This feature supports the:  
  - Aggregate Horizontal Plan  
  - Detailed Horizontal Plan  
  - ADF Material Plan |

In all these reports, bucketing defaults to the default calendar, based on the profile, but you can change to a different calendar code using a drop down menu at the top, which
<table>
<thead>
<tr>
<th>Profile Option Name</th>
<th>Level</th>
<th>Valid values</th>
<th>Default</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MSC: APCC</td>
<td>Site, responsibility, user level</td>
<td>All BIS (Business Intelligence System) Period set names</td>
<td>None</td>
<td>The name of the category set that identifies the items, such as key component, and their categories that will have new dimensions of End Item and Parent Model enabled in the APCC repository.</td>
</tr>
<tr>
<td>MSC: APCC</td>
<td>Site</td>
<td>All BIS (Business Intelligence System) Period set names</td>
<td>None</td>
<td>The analytical layer and the dashboards that display time in the hierarchy of days, fiscal periods, quarters, and year use this.</td>
</tr>
<tr>
<td>MSC: APCC</td>
<td>Site, responsibility, user level</td>
<td>All BIS (Business Intelligence System) Period set names</td>
<td>None</td>
<td>The name of the category set that identifies the items, such as key component, and their categories that will have new dimensions of End Item and Parent Model enabled in the APCC repository.</td>
</tr>
<tr>
<td>Profile Option Name</td>
<td>Level</td>
<td>Valid values</td>
<td>Default</td>
<td>Description</td>
</tr>
<tr>
<td>-----------------------------</td>
<td>-------</td>
<td>------------------</td>
<td>---------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>MSC: APCC Currency Code</td>
<td>Site</td>
<td>All currency codes</td>
<td>None</td>
<td>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.</td>
</tr>
<tr>
<td>Profile Option Name</td>
<td>Level</td>
<td>Valid values</td>
<td>Default</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------------------------------</td>
<td>-------</td>
<td>----------------------</td>
<td>---------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>MSC: APCC Category Set 1,</td>
<td>Site</td>
<td>All category sets</td>
<td>None</td>
<td>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</td>
</tr>
<tr>
<td>MSC: APCC Category Set 2,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSC: APCC Category Set 3,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSC: APCC Category Set 4,</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MSC: APCC Category Set 5</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Profile Option Name</td>
<td>Level</td>
<td>Valid values</td>
<td>Default</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------------------</td>
<td>--------------</td>
<td>---------</td>
<td>-------------</td>
</tr>
<tr>
<td>MSC: Enable Model &amp; End Item Dimensions in APCC</td>
<td>Site, responsibility, or user level</td>
<td>Yes or No</td>
<td>No</td>
<td>Enables or disables the ETL processing required to populate the end item and parent model dimensions in the APCC. When set to 'Yes', the ETL is enabled. When set to 'No', the ETL is disabled.</td>
</tr>
</tbody>
</table>

Profile values must be updated, and the plans must be rerun, or republished, to APCC for the change to take effect.
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
- Understanding the Editable Material Plan
- Navigating to the Editable Material Plan
- Rapid Planning Supply Demand Plan Drilldowns
- Excess and Obsolescence
- Using the Resources Page
- Using the Exceptions Page
- Using the Historical Performance Page
- Using the Scenario Analysis Page
- Using the Inventory Analysis Page
- Supply Chain Analyst Secondary Drill-Down Reports
- Using the Projects Supply Chain Page

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.

Overview of APCC Plan Details

APCC is expanded to increase your capabilities to understand and analyze your plans. You can:

- Do summary analyses and comparisons of order level data within a plan for a specific set of finished goods
- Summarize exceptions, view exception details and related exceptions for a specific set of item/locations or finished goods
- View detailed plan pegging data.

From the Supply Chain Analyst dashboard, you can access detailed information about:

- Orders: order level details of supplies and demands
- Pegging: supply and end demand pairs
- Exceptions: exception details

Understanding Plan Launch and Data Loads

ASCP, SPP and RP plans enable order level details for any given plan run by using the
plan launch parameter, Enable Details, in APCC. When enabled, the APCC data model provides complete details on:

- Order Details
- Exception Details
- End Demand Pegging

Understanding the Plan Details Tab

The Plan Details tab, formerly named the Demand Fulfillment tab, shows the Build Plan Report (the master report) with detailed reports. The detailed reports are:

- Order Detail
- Exception Detail
- Pegging Detail
- Category: Build Plan report filters on this prompt
- Critical Component: Order Detail, Exceptions Detail and Pegging Detail filter on this if the Critical Component checkbox is checked.

You can access the Plan Details tab from the Plan Health Summary tab or the Exception tab of the Supply Chain Analyst dashboard.

**Note:** Plan prompt contains only current versions. It does not include archived versions.

In addition, the master report, Build Plan passes End Pegged Item context to the detailed reports when you click a Total Demand or Total Supply in the table.

Understanding the Order Details Report

The Order Details report filters by End Pegged Item. It provides information on the following attributes:

- Org
• Item Category
• Item Name
• Order Type
• Day – added for cum qty calculation
• Make/Buy/Transfer (item attribute)
• Planner • Buyer Name
• Order Number
• Line Number
• Order Priority
• Firm Flag
• Requested Date
• Suggested Order Date
• Suggested Due Date
• Material Available Date
• Days Late
• Old Due Date
• Need by Date
• Firm Date
• Firm Quantity
• Original Order Qty
• Qty [Aggregated using Sum Rule]
• Cumulative Quantity

**Note:** The cumulative quantity is calculated per each order (transaction) in the sequence of org, item, date, order group (not displayed), and order type. It is displayed in the exactly the same
Using the Supply Chain Analyst Dashboard

sequence in the order details report.

- UOM
- Qty by Due Date
- Customer Name
- Customer Site
- Source Org
- Source Supplier
- Source Supplier Site
- Ship Method
- Action
- Rescheduled Days

There are hyperlinks to ADF forms from the following columns:
- Item Name – pass Plan Name, Item Name
- Item Category – pass Plan Name, Category Name
- Transaction – pass Plan Name, Transaction Id, Instance Id

Understanding the Pegging Details Report

The Pegging Details report filters by End Pegged Item. It provides information on the following attributes:
- Item Org
- Item Name
- Order Type
- Planner Code
- Category
- Order Number
• Line Number
• Suggested Due Date
• Need by Date
• Qty
• UOM
• Source Org
• Source Supplier
• Source Supplier Site
• Pegged Quantity (Aggregate, using Sum Rule)
• End Item Org
• End Item Name
• End Order Type
• End Order Number
• End Line Number
• End Order Due Date
• End Order Qty
• End Customer Name
• End Customer Site

The following columns of the Pegging Details report are hyperlinked to ADF forms:
• Item Name – pass Plan Name, Item Name
• Item Category – pass Plan Name, Category Name
• Transaction Id – pass Plan Name, Transaction Id, Instance Id

**Understanding the Exception Detail Report**

The Exception Details report filters by End Pegged Item. It provides information on the following attributes:
Understanding the Plan Detail Data Model

The following tables are added to the data model to support APCC Plan Details:

<table>
<thead>
<tr>
<th>Table Name</th>
<th>Table Area</th>
<th>Description</th>
<th>New Measures</th>
<th>New Dimensions</th>
</tr>
</thead>
</table>
The following dimensions are added to the data model to support APCC Plan Details:

<table>
<thead>
<tr>
<th>Dimension Name</th>
<th>Description</th>
<th>Physical Table</th>
<th>Attributes</th>
</tr>
</thead>
<tbody>
<tr>
<td>End Demand</td>
<td>End demand order attributes, sourced from MSC_ORDERS_F</td>
<td>Dim_END_DEMAND</td>
<td>End Line Number</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>End Order Due Date</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>End Order Number</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>End Order Quantity</td>
</tr>
<tr>
<td>End Demand</td>
<td>Simplified duplicate of Customer dimension</td>
<td>Dim_END_DEMAND+CUSTOMER</td>
<td>End Customer</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>End Customer Site</td>
</tr>
<tr>
<td>End Demand</td>
<td>Simplified duplicate of Order Type dimension</td>
<td>Dim_END_DEMAND+ORDER_TYPE</td>
<td>End Order Type</td>
</tr>
</tbody>
</table>
Using the Supply Chain Analyst Dashboard

Launching and Archiving Plans in APCC Plan Details

In Plan Details, you launch your plan using the parameter, Enable Details in APCC. This parameter applies to ASCP and SPP as well as the Save Plan page in RP.

The parameter in Plan Details to archive plan summary is Enable Details. Valid values are Yes and No. If set to Yes, the system invokes three more Archive One Package child requests to populate the three details fact tables. The default is No.
Integration of Oracle Advanced Planning Command Center and Oracle Inventory Optimization

Oracle Inventory Optimization (IO) integrates with Oracle Advanced Planning Command Center (APCC) for accounting for cycle inventory in safety stock calculation and warehouse capacity constraints. Several measures and seeded reports in APCC support:

- Warehouse Capacity Constraints
- Accounting for Cycle Inventory in Safety Stock Calculation

Managing Inventory Optimization Plans from Advanced Planning Command Center

The integration between Oracle Inventory Optimization and Oracle Advanced Planning Command Center lets you define multiple IO plans, modify their inputs, compare plans, launch plans, and evaluate their results, from within APCC. You can do this on two levels:

- Quick simulations in which you can change a constraint at the plan level and launch your plans
- Detailed simulations in which you can copy your base plan, modify several different inputs at various levels, and launch any or all of your plans

You can work with your IO plans from the Inventory Analysis page of the Supply Chain Analyst dashboard and the SLA Analysis page of the Service Supply Chain Analyst dashboard.

In APCC you can:

- Run a Quick Simulation by modifying a constraint on the base plan at the plan level
- Copy plans and edit their inputs
- Create a new Service Level Set or Item Simulation Set
- Launch multiple plan runs
- Review and compare plan results

While reviewing the plan results, you can look at your plan inputs. For example, while reviewing the recommended safety stock values, you may want to review the lead time variables. To support this analysis, the system archives measures related to inventory planning, makes them available in APCC when it archives the base IO plans, and archives them in APCC when you set up and launch a plan in APCC.

You can see these inventory planning measures associated with each plan:
• Total Demand
• Forecast
• Total Supply
• Planned Orders
• Mean Absolute Deviation
• Minimum Inventory Level
• Maximum Inventory Level
• User Specified Safety Stock
• Demand Fulfillment Lead Time
• Supplier Lead Time Variability (%)
• Manufacturing Lead Time Variability (%)
• Intransit Lead Time Variability (%)
• Required Warehouse Capacity
• Inventory Budget

For more information about the integration of IO and APCC, refer to the When a DRP plan is launched, users will have the option to keep the previous version of the plan archive around (for comparison purposes) or overwrite the previous version with the current version. This is done using the new plan launch parameter "Archive Current Version of Plan Summary" similar to ASCP Plans. (Default value for this parameter is No).

The APCC measures and their conforming dimensions and aggregation rules are shown in the following tables:
<table>
<thead>
<tr>
<th>Measure</th>
<th>Meaning</th>
<th>Scenario</th>
<th>Plan</th>
<th>Organization</th>
<th>Item</th>
<th>Resource</th>
<th>Time</th>
<th>Priority</th>
<th>Supplier</th>
<th>Source</th>
<th>Ship Methods</th>
<th>Demand Class</th>
<th>Order Type</th>
<th>Exception Type</th>
<th>Project</th>
<th>All Time Except Time</th>
<th>Time Dim</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Demand</td>
<td>Sum of all Demands Qty</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sum</td>
<td></td>
</tr>
<tr>
<td>Forecast</td>
<td>Forecast Quantity</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sum</td>
<td></td>
</tr>
<tr>
<td>Total Supply</td>
<td>Sum of all Supplies Qty</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sum</td>
<td></td>
</tr>
<tr>
<td>Planned Orders</td>
<td>Planned Orders in IO plan</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sum</td>
<td>Sum</td>
</tr>
<tr>
<td>Mean Absolute Percent Error</td>
<td>Mean Absolute Percent Error</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td>avg</td>
<td>avg</td>
<td></td>
<td></td>
<td></td>
<td>avg</td>
<td>avg</td>
</tr>
<tr>
<td>Mean Absolute Deviation</td>
<td>Mean Absolute Deviation</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td>avg</td>
<td>avg</td>
<td></td>
<td></td>
<td></td>
<td>avg</td>
<td>avg</td>
</tr>
<tr>
<td>Minimum Inventory Level</td>
<td>Minimum Inventory Level</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sum</td>
<td>Last</td>
</tr>
<tr>
<td>Maximum Inventory Level</td>
<td>Maximum Inventory Level</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Sum</td>
<td>Last</td>
</tr>
</tbody>
</table>
Pushing Warehouse Capacity Facts and Dimensions to APCC

The Archive Plan Summary concurrent program has facts and dimensions that support pushing warehouse capacity to APCC. The facts and dimensions are:

**Facts:**

- Available Capacity
- Required Capacity
- Average Cycle Stock
- Average Cycle Stock - Volume
- Inventory Quantity Increment
- Inventory Quantity Increment - Volume
- Average Daily Demand
- Average Daily Demand - Volume
- Projected Available Balance - Volume
• Safety Stock - Volume

Dimensions
• Organization
• Category
• Item
• Time
• Plan

Note: The facts are pushed to APCC regardless of existence of any Warehouse Capacity Exceeded Exception.

Understanding the Seeded Reports
Five Inventory Optimization seeded reports are available on the Inventory Planning tab in APCC. The five reports are:
• Warehouse Capacity Report – Capacity at Storage Type Level
• Warehouse Capacity Report – Item Level / Capacity at Storage Type Level
• Cycle Stock Report
• Warehouse Capacity Report – Capacity at Organization Level
• Warehouse Capacity Report – Item Level / Capacity at Organization Level

Warehouse Capacity Report - Capacity at Storage Type Level is the default report.

Integration of Oracle Advanced Planning Command Center and Oracle Rapid Planning
APCC supports Rapid Planning reports in the same manner that it supports drilldown to the ASCP workbench. Listed below are the Supply Chain Analyst Dashboard pages that you can use to view Oracle Rapid Planning information:
• Plan Healthy Summary, includes a report to highlight cost parameters (revenue, manufacturing cost, purchasing cost, transportation cost, carrying cost, total cost and gross margin
• Demand and Supply
• Resource
• Exceptions, includes Oracle Rapid Planing exception messages and a report to compare orders via a drilldown

• Historical Performance

• Scenario Analysis, includes a report to highlight cost parameters (revenue, manufacturing cost, purchasing cost, transportation cost, carrying cost, total cost and gross margin

Drilldowns from APCC to Rapid Planning are available from Item, Organization or Resource column only.

When you are accessing the Rapid Planning reports as a drill down from APCC, the Plan being passed must either be loaded or loaded into memory and the relevant report in Rapid Planning displayed with the passed context. The data from the last saved report is displayed. This may be different from what is displayed in APCC if the archive workflow was not run after the changes were made in Rapid Planning.

Note: If there is an instance of Rapid Planning already open by the user, then it will be refreshed when opening a drill down report from APCC. It will not be opened in a new browser. If, on the other hand, there is no instance of Rapid Planning already open the Rapid Planning report is displayed in a new browser.

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:

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archived Plans</td>
<td>Select from a list of plans from which an archived plan can be selected. Multiple plans can be selected. This is a required field.</td>
</tr>
<tr>
<td>Baseline Plan</td>
<td>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.</td>
</tr>
</tbody>
</table>
### Filter Description

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category</td>
<td>Select from a list of categories. Multiple categories can be selected. This is an optional field.</td>
</tr>
<tr>
<td>Resource Group</td>
<td>Select from a list of resource groups. Multiple resource groups can be selected. This is an optional field.</td>
</tr>
<tr>
<td>Organization</td>
<td>Select from a list of organizations. Multiple organizations can be selected. This is an optional field.</td>
</tr>
<tr>
<td>Period Start</td>
<td>Select from a list of date and time selections. A range of date and time can be selected. This is an optional field.</td>
</tr>
</tbody>
</table>

### 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 5-15.

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

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>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.</td>
</tr>
</tbody>
</table>

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

**APCC Plan Details**

The Plan Health Summary tab of the Supply Chain Analyst Dashboard accesses the ASCP and RP. At the plan level, you can monitor how the plan is performing by looking at the performance tiles, which are color-coded or texture-coded.

- Baseline Plan
- Category
- Organization
- Period Start

To access plan details, drill down from the performance tiles on the Plan Health Summary tab, then click Plan Details.

**Note:** Comparison Plans and Resource Group criteria are not included in this summary.

In the following explanations, online informational tiles are represented in colors. In the documentation, the tiles are represented by textures, which represent the colors as follows:
Only the three measures with the thresholds indicated below will be colored red, yellow or green, based on their value. The remaining tiles are always blue.

<table>
<thead>
<tr>
<th>Measure</th>
<th>Red</th>
<th>Green</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fill rate</td>
<td>&gt;90</td>
<td>&lt;80</td>
</tr>
<tr>
<td>Inventory Turns</td>
<td>&lt;5</td>
<td>&gt;8</td>
</tr>
<tr>
<td>Days of Cover</td>
<td>&gt;25</td>
<td>&lt;10</td>
</tr>
</tbody>
</table>

You can drill down from each of these tiles to the Plan Details tab. Page filters do not change. This passes the measures from the dashboard prompts to the Plan Details tab.

**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.
### 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 Report**

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 six subreports:

- Item Exceptions Summary
- Resource Exceptions Summary
- Demand Exceptions Summary
- Inventory Exceptions Summary
- Alternate Exceptions Summary
• Reschedule Exceptions Summary

**Item Exception Summary Report**

The Item Exception report is a new report that enables users to analyze an exception severity based on a specified measure aggregated by specific seeded dimensions such as Organization, Category, and Organization-Category in the Baseline plan. You can use the page level filters to create this report for specific organizations, categories, and periods and view the results as a bar graph or table.

The Item Exception report provides the following facts:

• Exception Count

• Exception Days

• Exception Value

• Exception Quantity

• Exception Ratio

You can group your results by:

• Organization

• Category

• Item

• Org/Category

• Category/Item

• Customer

• Supplier

• Customer/Item

• Supplier/Item

• Demand Class

• Project

Below is an example of an Item Exception Summary Report
By double clicking on an entity cell, you can drill down to the underlying applications. The contexts that are passed down are the plan and the entities associated with each cell. In the resulting window, all items with the Items with a Shortage exception in the organization and category are displayed. Drilldown to applications is not supported from this report. However, drilldown along the dimensional model is supported, for example, Category to Item.

The drilldown from this report is available for all values specified in the Group By field.

**Note:** The Resource value in the Group By field is disabled for DRP and CP plans. You can drill down to Service Parts Planning (SPP) only if the report is grouped by Item, Category / Item, Customer / Item, or Supplier / Item. This report may be displayed with the following Plans ASCP, DRP, SPP, SNO and CP.

The formatting of the Exception columns is based on the selected measure:

- Exception Count – Integer
- Exception Quantity – Integer
- Exception Value – Integer with $ sign
- Exception Days – Number with one decimal
- Exception Ratio - Number with two decimals
- Use a comma (",") for 1000 separator
Resource Exceptions Summary Report

The Resource Exception Summary report enables users to analyze a Resource related exception severity based on a specified measure aggregated by specific seeded dimensions such as Organization, Category, and Org / Category in the Baseline plan. User can also use the page level filters to create this report for specific organizations, categories, and periods.

You view this report by plan in table or bar graph format. If you view the report in table format, you can filter your results in two more parameters in addition to the page level filters:

- Exception Type is the ability to select an exception type using the combo box containing the list of exception types. Note that only Resource related exceptions are available in this selection.

- Measure is the ability to select one of the exceptions facts as the measure to be displayed in the table. The measures include: Exception Count, Exception Value, Exception Days, Exception Quantity, and Exception Ratio.

The Resource Exception Summary report provides the following facts:

- Exception Count
- Exception Days
- Exception Value
- Exception Quantity
- Exception Ratio

You can group your results by:

- Organization
- Category
- Item
- Org/Category
- Category/Item
- Customer
- Supplier
- Customer/Item
- Supplier/Item
- Demand Class
- Project

Below is an example of a Resource Exception Summary report:

Drill downs to applications is not supported from this report. However, drilldown along the dimensional model is supported, for example, Category to Item.

**Note:** The Resource value in the Group By field is disabled for DRP and CP plans.

**Note:** You can drill down to Service Parts Planning (SPP) only if the report is grouped by Item, Category / Item, Customer / Item, or Supplier / Item. This report can be displayed with the following Plans ASCP, DRP, SPP, SNO and CP.

The following windows of the underlying applications are displayed as a result of drilling down from the above report:

- ASCP – Exception Details window, all detail level exceptions for the selected entities are displayed.
- DRP – Exception Details window, all detail level exceptions for the selected entities are displayed.
• SPP – Exception Details, all detail level exception for the selected entities are displayed.

• SNO – Alerts, only the plan context is passed down.

• CP – Exception Details window, all detail level exceptions for the selected entities are displayed.

The formatting of the Exception columns is based on the selected measure:

• Exception Count

• Integer Exception Quantity

• Integer Exception Value

• Integer with $ sign Exception Days

• Number with one decimal Exception Ratio - Number with two decimals

• Use comma ("," for 1000 separator.
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.
Launching a Plan From Within APCC

You can launch your plan and analyze the impact of your changes on your plan directly in APCC. In some cases, you may want to run the plan without taking a new snapshot to see the impact of your edits. In other cases, you may want to take a new snapshot and run the plan.

When you take a new snapshot, any previous edits from the material plan, resource plan, or orders user interface (UI) are overlaid. Edits to the item simulation set remain unchanged since the simulation set is re-applied after the snapshot is taken.

Use the checkbox in the ASCP Launch Plan parameters to accommodate both scenarios. When you select the Launch Plan link, the system displays the Launch Plan dialog and allows you to select the appropriate options and then run the plan.

Launching the Plan

To launch your plan, follow the steps below:

1. Click the Plan Health Summary tab or the Demand and Supply tab of the APCC dashboard.

2. From the ASCP Plan Actions box on your screen, select Launch Plan, as shown below.

3. Scroll down and select the baseline or comparison plans you wish to carry as context into the ASCP Plan Actions.

   **Note:** Archived plans are not available for selection.

4. If you wish to perform a batch re-plan, which will factor in all the edits you have made, check the Net Change Simulation checkbox, as shown below.

   **Note:** If you select the Net Change Simulation checkbox, all other parameters are disabled.
If you do not select to perform a net change simulation, then the Launch Plan dialog functions are identical to those in the current ASCP Launch Plan dialog. That is, the options available and the output are identical to those of ASCP.

After you press OK, a dialog appears showing the plan name and request ID. For more information on the Launch Plan options available and the output in ASCP, refer to the Oracle Advanced Supply Chain Planning Implementation and User’s Guide.

5. When the launch plan is finished running, press Go button on the dashboard to refresh the page and see the changes.

   **Note:** Because the Launch Snapshot parameter works like the ASCP Launch Plan Snapshot parameter, any edits to material plan, resource plan, or orders are overlaid with the new snapshot. The edits to the item simulation set remain unchanged and are reapplied after the new snapshot is taken.

When you select either Launch Plan or Launch Net Change Simulation from the ASCP Plan Actions box, the selected plan is passed in as context and the applicable launch plan dialog appears.

   **Note:** If you are using the Plan Details feature, you can use the parameter Enable Details in APCC. This parameter applies to ASCP and SPP as well as the Save Plan page of RP.
Releasing a Plan From Within APCC

To release your plan in APCC, follow the steps below:

1. Navigate to the Orders UI using one of the options described in the section Navigating to the Orders User Interface in this document.

2. From the Actions drop-down menu, select Mark for Release.
   As soon as your orders are marked for release, you can edit the Implement fields, as shown below.

3. Edit the Implement fields, as required.

4. From the Actions drop-down menu, select Release Plan.
   The Release Plan dialog appears once the release is complete.

Saving Your Changes

As you make your edits, the system updates the firm date, firm quantity and firm status of the edited planned orders, as well as forecast records, or manual demands that make up the bucketed number. These changes are not committed to the database until you choose to save and close the dialog. If there are unsaved changes when you try to close the dialog, you will be asked whether or not you want to save your changes.
Understanding the Orders User Interface Features

The orders are filtered based on the context that was passed in or by the search criteria you enter. You can also edit selected columns from a drop-down menu or by entering a specific value.

Order UI features are listed below:

- You can edit firm status, new date, new quantity, and order priority.
- The plan that you pass in as context displays in the Title of the dialog.
- If you pass in context, other than plan, the search criteria section collapses.
- If you pass only the plan, the search criteria expands. In this case, you need to press the Search button before any orders will appear in the table.
- At least one of the available search fields must have a value specified.

Understanding the Search Fields

The search options are listed in the table below.

<table>
<thead>
<tr>
<th>Fields</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organization, Category, Item</td>
<td>Optional. Multi-Select. Valid values are:</td>
</tr>
<tr>
<td>Order Type</td>
<td>• Equal To</td>
</tr>
<tr>
<td>Customer</td>
<td>• Starts With</td>
</tr>
<tr>
<td>Source Supplier</td>
<td>• Contains</td>
</tr>
</tbody>
</table>
Suggested Due Date
Optional. Single value for all operators, except the Between operator, which requires two values. Valid values are:

• Equal To
• Between
• Greater Than
• Less Than

Material Available Date

Understanding the Table Columns
The table columns provide several areas of information. Below is the complete list of available columns and whether you can edit their values. To access all the available columns of information, use the horizontal scroll bar at the bottom of your screen.

<table>
<thead>
<tr>
<th>Column</th>
<th>Editable (Yes/No)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>


<table>
<thead>
<tr>
<th>Organization</th>
<th>Item</th>
<th>Description</th>
<th>Order Type</th>
<th>Order Number</th>
<th>Sugg Due Date</th>
<th>Qty/Rate</th>
<th>Action</th>
<th>Source Org</th>
<th>Source Supplier</th>
<th>Source Supplier Site</th>
<th>Customer</th>
<th>Priority</th>
<th>Customer Site</th>
<th>Material Available Date</th>
<th>Sugg Dock Date</th>
<th>Need by Date</th>
<th>Sugg Start Date</th>
<th>Sugg Ship Date</th>
<th>Sugg Order Date</th>
<th>Marked for Release</th>
<th>Firm Status</th>
<th>Implement Date</th>
<th>Implement Qty/Rate</th>
<th>Implement As</th>
<th>Firm Date</th>
<th>Firm Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Checked when the Mark for Release action is taken from the action menu.</td>
<td>Yes</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No Comments</td>
<td>No Comments</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Order Value | No | Order Value differs based on order type.
Sales Order = Order Qty * Unit Price (on the order)
Purchase Order = Order Qty * Unit Price (on the order)
Forecast = Dmd Qty * List Price (from Item attributes)
Planned Order = Order Qty * Item Standard Cost

The following table illustrates which fields are editable, based on the order type, as well as which order types are eligible for release:

<table>
<thead>
<tr>
<th>Editable Fields</th>
<th>Editable Order Type (EOT)</th>
<th>EOT Purchase Requisition Order</th>
<th>EOT Work Order</th>
<th>EOT Planned Order</th>
<th>EOT Forecast</th>
<th>EOT Sales Order</th>
<th>EOT manual Demand</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>New Date</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>New Quantity</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
</tr>
<tr>
<td>Order Priority</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>For Purchas e Orders, Work Orders cannot be set to a non-zero quantity .</td>
</tr>
<tr>
<td>Implement Date</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td>x</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

For Purchas e Orders, Work Orders cannot be set to a non-zero quantity.
Understanding the Table Toolbar

The toolbar across the top of your plan provides various options with which to customize your display. These options are explained below.

**Action**

The Action drop-down menu has three options:

- **Mark for Release**: Applies to selected rows. Updates the release status of all selected rows to Marked for Release and updates the set of implement fields using the same logic as ASCP. Once orders are Marked for Release in the Action menu, you can edit the implementation fields.

- **Release Plan**: Applies to entire plan. Releases the Plan and displays the Release Plan Dialog.

  **Note**: Release Plan applies to the entire, including elements not currently shown in the table.

- **Export to Excel**: Exports all the data in the table to a Microsoft Excel spreadsheet.
The View drop-down menu has four options:

- **Columns**: Displays the available columns and allows the user to choose which columns to display, the order in which they appear and the sort sequence. Your changes persist across sessions as a user profile until you change them. The layout configuration is saved automatically.

- **Reorder Columns**: Displays the visible columns and allows you to reorder the columns.

- **Sort**: Allows you to sort the active column in ascending or descending, or to perform an advanced sort using up to three columns.

- **Detach**: Detaches the table to allow you to expand it.

**Passing into Context**

The context is passed in from either a query or from the Editable Material Plan into this UI. You can pass into context by drilling from the editable Material Plan or directly from ASCP Plan Actions, as described earlier in this document in the section *Navigating to the Orders User Interface*.

You can pass any combination of the following values into context:

- **Organization** (single or multiple values)
- **Product Category** (single or multiple values)
- **Planner** (single value)
- **Supplier** (single or multiple values)
- **Order Number** (single or multiple values)
- **A range of due dates** (begin and end date)

**Note**: While navigation is generally passing single values by clicking on a single product category and navigating to the editable material plan, the editable material plan is also called from ASCP personal queries, which can pass multiple product categories into the editable material plan.

You can override the context that was passed in by entering search criteria and pressing the Search button. The original context is discarded and the table is filtered using your search criteria.

**Using the Orders User Interface**

The orders user interface (UI) streamlines the business process by providing direct
access to your orders from within APCC. You can search over a set of orders, mark orders for release as well as edit form order status or change their priority.

**Navigating to the Orders User Interface**

From within APCC, you navigate to the Orders UI using one of the following options:

- **Option 1**: Drill from the editable Material Plan.
- **Option 2**: Access directly from the ASCP Plan Actions window.

**Option 1: Drilling from the Editable Material Plan to the Orders UI**

1. From the Supply Chain Analyst Dashboard, open the editable Material Plan, using any of the options described in the section. *Navigating to the Editable Material Plan* in this document.

2. Select one or more cells in the plan and right click to view the orders related to the selected cells. For example, if you select planned orders for items CM66323 and CM66324 for the weeks of 3-Oct and 10-Oct, the system displays the planned orders that make up the four selected cells.

![Image of Material Plan](image)

A context menu opens.

3. From the context menu, select Order.

**Option 2: Accessing Orders UI Directly from ASCP Plan Actions**

1. From the Supply Chain Analyst Dashboard, click either the Plan Health Summary tab or the Demand and Supply tab.

2. In the ASCP Plan Actions pane, click Orders.
3. Select the desired plan, either baseline or comparison, from the plan pull-down

   **Note:** Archived plans are not available for selection.

   In addition, the Organization and Category dashboard page filters are passed in as context into the Orders UI.

### 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)
- Excess and Obsolescence
- Oracle Rapid Planning Supply Demand Plan Drill-downs

### 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:

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparison Plans</td>
<td>Select from a list of comparison plans. Multiple plans can be selected. This is a required field.</td>
</tr>
<tr>
<td>Baseline Plan</td>
<td>Select from a list of plans to use as a baseline. Only one plan can be selected. This is a required field.</td>
</tr>
<tr>
<td>Category</td>
<td>Select from a list of categories. Multiple categories can be selected. This is an optional field.</td>
</tr>
</tbody>
</table>
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 5-38

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.
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.
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 5-38

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

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measure</td>
<td>Select a measure to evaluate, which appears on the vertical axis. Options include <strong>Total Supply, PAB – units</strong> (Projected Available Balance), <strong>Safety Stock</strong>, and <strong>Total Demand</strong>.</td>
</tr>
</tbody>
</table>
| 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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>Select how you would like to view the report. Options include: <strong>Time Trend Chart</strong> and <strong>Time Trend Table</strong>. 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.</td>
</tr>
</tbody>
</table>

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, you can specify this filter for the report:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>Select how you want to view the report. Options include <strong>Chart</strong> and <strong>Table</strong>. 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.</td>
</tr>
</tbody>
</table>

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, you can specify this filter for the report:
### Field Description

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>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.</td>
</tr>
</tbody>
</table>

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.

**Understanding the Editable Material Plan**

The Material Plan allows you to conduct a typical planning flow within the application without having to navigate to other Value Chain Planning (VCP) applications, such as ASCP.

You can make edits to the plan, launch a plan and release a plan from within APCC. Release To Execution Systems, User Changes and Simulations, and Launch Plan are the features in APCC that let you complete these processes.
Using the Editable Material Plan

APCC provides the capability to mass edit a group of planned orders in a bucketed format in the context of a grouping. As an example, you can mass edit a category of items. You can edit:

- End product items to create a master schedule per time period for a family of products

- A group of component orders for a given supplier to meet a purchasing minimum or price break that applies to a group order

- A group of planned orders to consolidated “container quantity” for shipment

The Material Plan User Interface lets you mass edit supply and demand records. It displays planned orders in a bucketed format, including a set of total rows. The Material Plan provides direct editing of bucketed values whose changes are allocated back to the planned orders. The firm status of the planned orders will then be set.
Understanding the Editable Material Plan General Layout

The supply and demand records display in a bucketed horizontal format similar to the format of the horizontal plan, but with a restricted set of series. The records that are displayed contain all the items that you included in the criteria that was passed in as context, as well as an additional row or set of rows for the category of items in the search as a calculated total. You can edit the value for the individual items, and view the sum in the category change field in real time.

An example of an editable material plan is shown below. Note that the name of the plan that was passed into the material plan is display in the title.

Understanding the Editable Material Plan Features

The editable Material Plan has the following features:

- The title of the dialogue displays the plan passed in as context.
- Based on the selected layout, the system determines how to render the editable material plan. This includes what measures and column and row headings to display.
- By default, the Grand Totals section is turned off. You can turn on Grand Totals from the View menu.
- The cells containing editable measures are shaded so that you can easily distinguish between editable and non-editable cells.
- Measures values that you change will be shaded to show that the value has changed.

The system does not recalculate Projected Available Balance and On-Hand
Inventory until you press the recalculate button. When the recalculation is completed, the cell shading disappears and returns to the editable cell status.

- When you select an alternative layout, the system refreshes the display and removes column headings that no longer apply. For example, if the original layout was set at Day and the newly selected layout is set to Period, then the Week and Day column headings are removed.

**Note:** When loading the Material Plan table, the system loads only the number of rows that were specified in the profile option MSC: New Material and Resource Plan Fetch Size. As you scroll down, the system continues to load additional rows.

**Understanding the Table Toolbar**

Across the top of the Material Plan are the menus and tabs that allow you to customize your Material Plan. They include:

- Actions
- View
- Setup
- Action
- Layout
- Organization
- Category Set
- Category
- Item Filter
- Recalculate

Actions and View are drop-down menus, providing various alternatives. The remaining options are tabs. The following section outlines each item and its function.

**Actions:** The Actions drop-down menu provides three options:

- Setup: Invokes the setup dialog to create, edit, and save layout information
- Recalculate: Recalculates measures, based on your latest changes
- Export to Excel: Exports all the data in the table to a Microsoft Excel spreadsheet. For details on exporting to Excel, see the
Setup: Setup invokes the setup dialog for the currently selected layout.

Layout: Required. Defaults to your default layout. You can define your layouts and select which measures you want to see as well as the time dimension. When you choose a different layout, the system automatically redisplays the material plan using the newly selected layout.

**Note:** All measures that are editable in the layout of your Material Plan are highlighted.

Organization: Optional. Organization filters the material plan by the selected organizations. If one or more organizations are passed in as context, these organizations will appear as selected organizations in the choicelist. If needed, you can then change which organizations you wish to view.

Category Set: Required. Defaults based on the category set passed in from the calling application. If Category Set is null, the APCC default Category Set, which is part of your user profile, is used.

Category: Filters the material plan by the selected product categories. If one or more categories are passed in as context, these categories will appear as selected categories in the choicelist. The values appearing in the list of categories is based on the chosen category set.

Recalculate: Recalculates measures, based on your latest changes. All the changes you make to your Material Plan are highlighted until you perform a recalculation.

Setting Up the Layout

From the main menu, go to your Setup window. In the Setup window, you can choose what rows you want displayed in your material plan and what level of bucketing is applied for time. These choices must be saved as part of a layout, which you can designate as either be private for your use only or public for use by other users.

The set up dialog for layouts of Material Plans describes:

- Each of the fields
- The function of each action button
- Available Measures
- Column headings
The table below lists and describes each field in your setup.

<table>
<thead>
<tr>
<th>Name</th>
<th>Type</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>Text</td>
<td>The name of the layout. Must be unique across all layouts, public or private.</td>
</tr>
<tr>
<td>Access</td>
<td>Single select choicelist</td>
<td>Valid values are:</td>
</tr>
<tr>
<td>Default</td>
<td>Checkbox</td>
<td>Defines your default layout. You can only have one default layout across all layouts, whether it's private or public layout.</td>
</tr>
<tr>
<td>Created By</td>
<td>Text</td>
<td>Identifies the user who originally created the layout</td>
</tr>
<tr>
<td>Created On</td>
<td>Date/Time</td>
<td>Displays the date and time the layout was created</td>
</tr>
<tr>
<td>Last Updated By</td>
<td>Text</td>
<td>Identifies the user that last updated the layout.</td>
</tr>
</tbody>
</table>
Available Measures Shuttle Displays the measures that are available for display, but have not yet been added to the selected measures. See list of available measures in the Available Measures table below.

Selected Measures Shuttle Displays the measures selected for display. You can move the measures up or down in the list to control the sequence in which measures are displayed. At least one measure must be selected before the layout can be saved.

Axis Single select choicelist Required. Valid Values are:
- Day
- Week
- Period

Action Buttons
The Action buttons and their purpose are shown in the table below.

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delete</td>
<td>Deletes the layout. When you choose to delete a layout, you will be prompted to confirm the deletion. If you delete your default layout, then the system selects the first public layout.</td>
</tr>
</tbody>
</table>
New

When you press New, the values in the General and Layout Tabs are reset accordingly:

- The Name and Default fields and cleared.
- The access to Public layouts (the default).
- The selected measures are retained from whatever view you were displaying prior to selecting the New button.
- The time axis defaults to Week.

OK

When you select OK, the system redisplays the material plan using the latest values that are changed in the layout dialog. For example, if you change the time axis from week to period and press OK, the system redisplays the material plan aggregated to period, even though the change has not yet been saved to the layout.

Save

Saves the layout with the latest changes.

Cancel

Cancels out of the layout set up. No changes are saved.

Available Measures

The measures that are available for inclusion in the layout are:

<table>
<thead>
<tr>
<th>Measure</th>
<th>Editable (Yes/No)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Beginning on hand</td>
<td>No, but recalculated as edits are applied.</td>
</tr>
<tr>
<td>Current scheduled receipts</td>
<td>No</td>
</tr>
<tr>
<td>Dependent demand</td>
<td>No</td>
</tr>
<tr>
<td>Gross requirements</td>
<td>No, but recalculated as edits are applied.</td>
</tr>
<tr>
<td>Forecast</td>
<td>Yes</td>
</tr>
<tr>
<td>Feature</td>
<td>Status</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>Manual Demand</td>
<td>Yes</td>
</tr>
<tr>
<td>Planned Orders</td>
<td>Yes</td>
</tr>
<tr>
<td>Projected Available Balance</td>
<td>No, but recalculated as edits are applied.</td>
</tr>
<tr>
<td>Projected on hand</td>
<td>No, but recalculated as edits are applied.</td>
</tr>
<tr>
<td>Purchase orders</td>
<td>No</td>
</tr>
<tr>
<td>Requisitions</td>
<td>No</td>
</tr>
<tr>
<td>Sales Orders</td>
<td>No</td>
</tr>
<tr>
<td>Safety Stock</td>
<td>No</td>
</tr>
<tr>
<td>Total Supply</td>
<td>No, but recalculated as edits are applied.</td>
</tr>
<tr>
<td>Work Orders</td>
<td>No</td>
</tr>
</tbody>
</table>

**Column Headings**

The column headings of the editable material plan are based on the Time Axis selected, as follows:

- If Day is selected as the time axis, then the column headings are Period, Week and then Day.
- If Week is selected as the time axis, then the column heading is Period and then Week.
- If Period is selected as the time axis, then the column heading is Period only.

**Row Headings**

The row headings of the editable material plan are fixed as:

- Organization
- Category
- Item

**Passing in Context**

The editable material plan assumes that context will be passed in from the calling...
application. For example, the context will be passed from an OBIEE query into the material plan. Navigation options are described below. A combination of the following values can be passed in as context:

- Plan (Required, single value)
- Organization (Optional, single or multiple values)
- Category Set (Required, single value)
- Category Context (from linked reports; Aggregate Horizontal Plan, Detailed Horizontal Plan, custom reports)
- Product Category (Optional, single or multiple values)

If Category Set is null, the APCC default Category Set, which is part of your user profile, is used.

If both Organization and Product Category values are missing from the context, the system defaults to the first organization/category combination for filtering. You can then choose whether to display all organization/category combinations or only ones you select.

**Note:** While navigation from OBIEE is generally passing single values (e.g., clicking on a single product category and navigating to the editable material plan), the editable material plan is also going to be called from ASCP personal queries which could pass multiple organizations or product categories into the editable material plan.

### Allocating Bucketed Quantities

When you edit a cell that contains a bucketed quantity in the editable Material Plan, the behavior is identical to the behavior when editing data in the Material Plan in Rapid Planning. When you update cells, the quantity you entered and the date are interpreted as the firm quantity and firm date for the row that corresponds to that cell.

How editing behaves is shown in the table below for your reference:

<table>
<thead>
<tr>
<th>Measure</th>
<th>View By</th>
<th>Time</th>
<th>Type of Action</th>
<th>User Action to Update</th>
<th>Interpretation of the Update</th>
</tr>
</thead>
<tbody>
<tr>
<td>Forecast</td>
<td>Item-Org/Org-Item/</td>
<td>Days/Weeks/Periods</td>
<td>Update</td>
<td>Edit Cell</td>
<td></td>
</tr>
</tbody>
</table>

---

5-56  Oracle Advanced Planning Command Center User’s Guide
<table>
<thead>
<tr>
<th>Manual Demand</th>
<th>Item-Org/Org-Item/</th>
<th>Days/Wks/Periods</th>
<th>Update</th>
<th>Edit Cell</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The net difference % is calculated, based on the difference between the new value and old value, and the same percent, either up or down, is applied to all rows that constitute this number and the firm date, firm qty fields are updated on them.
<table>
<thead>
<tr>
<th>Manual Demand</th>
<th>Item-Org/Org-Item</th>
<th>Days/Weeks/Periods</th>
<th>Create</th>
<th>Edit a Zero value Cell</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Allowed only at item-org or org-item level. The new value is used to create a new &quot;manual demand&quot; row for that item/org (if the context is item/org). If the cell corresponds to any level higher than item/org, then disallow create. On the time dimension, if the cell corresponds to a week/period, insert the demand in the last working day.</td>
</tr>
<tr>
<td>Planned Orders</td>
<td>Item-Org/Org-Item</td>
<td>Days/Weeks/Periods</td>
<td>Update</td>
<td>Update</td>
</tr>
<tr>
<td>----------------</td>
<td>-------------------</td>
<td>--------------------</td>
<td>--------</td>
<td>--------</td>
</tr>
</tbody>
</table>

The net difference % is calculated, based on the difference between the new value and old value, and the same percent, either up or down, is applied to all rows that constitute this number and the firm date, firm quantity fields are updated on them.
Saving Changes

As you make your edits to the Material Plan, the system updates the firm date, firm quantity and firm status of the edited planned orders, as well as forecast records, or manual demands that make up the bucketed number. These changes are not committed to the database until you choose to save and close the Material Plan dialog. If there are unsaved changes to the Material Plan when you try to close it, you will be asked whether or not you want to save your changes.

Navigating to the Editable Material Plan

You navigate to the Editable Material Plan using any one of the following options:

- From Demands and Supply totals by category query
- From the Aggregate Horizontal Plan, drill down to the Material Plan
- From the dashboard

The plan pull down in the ASCP Plan Actions section allows you to choose either the baseline plan or the comparison plans that you wish to carry as context into the ASCP
Plan Actions.

**Note:** Archived plans are not available for selection.

In addition, the Category and Organization dashboard page filters are passed in as context into the Material Plan as follows:

- If Category Set is null, the system uses the APCC default Category Set that is part of your user profile.

- If both the Organization and Category prompts are null, that is, the page is not filtered by organization or category, the Material Plan selects the first organization/category combination, thus limiting the amount of data displayed. You can then change the filter fields to the desired organization/category combinations.

**Navigating to the Editable Material Plan from Demands and Supply Totals Category:**

1. From the Supply Chain Analyst dashboard, select Demand and Supply Totals by Category, which is the first option on the list of available navigation options.

2. From Demand and Supply Totals by Category, select Material Plan.
   The Plan name and category are passed in as context to the Material Plan.
3. Click the icon next to the desired category. The editable Material Plan for that Plan/Category combination launches.

Navigating to the Editable Material Plan from the Aggregate Horizontal Plan:
1. From the Supply Chain Analyst dashboard, open Demand and Supply.

2. From Demand and Supply, select Aggregate Horizontal Plan, which is the eighth option on the list of available navigation options.

Navigating to the Editable Material Plan from the Dashboard:
1. Navigate to either the Plan Health Summary link or the Demand and Supply link.
2. From the ASCP Plan Actions window on the right-hand side of your window, select Material Plan.

**Rapid Planning Supply Demand Plan Drilldowns**

The Supply Demand Plan in Rapid Planning is accessible from the following APCC reports:

- Demand and Supply Totals by Category
- Demand and Supply Totals by Organization
- Total Demand by Organization
- Total Demand by Customers
- Total Supply by Category
- Days of Cover by Organization
- WIP Start Trend
- Aggregate Horizontal Plan
- Detailed Horizontal Plan
- Change in Demand by Customers

The context that must be passed to Rapid Planning is one of the following:

- Plan, Item
- Plan, Item, Organization
- Plan, Organization

Below is an example of the Supply Demand Plan, open at the Main page. At the top right of the screen are tabs, which let you open Exceptions, Items, Material Plan, BOMs, or Sourcing Rules. The page is in the format of a table, with the following columns:

- Item. This column lists your plans.
- Org
- Order type
- Sugg Due Date
The exceptions and resource plan views are similar to the Supply & Demand report. When you click on the exceptions tab, you go to the Exceptions view; the Resource Plan is similar to the Supply Demand view.

**Excess and Obsolescence**

This section describes the excess and obsolescence analyses that are available through the Supply and Demand page of the SCA Dashboard. It discusses the following reports:

- Excess and Obsolescence Summary
- Excess Details
- Obsolescence Details
- Excess Details Across Plans
- Obsolescence Details Across Plans

In addition to the Excess and Obsolescence reports, two fields in the Item Attributes Mass Maintenance window, Excess Horizon Days and Obsolescence Date, help capture the excess and obsolescence horizons. These fields indicate the horizon that is used in the computation of Excess and Obsolescence. Excess Horizon Days is a number field while Obsolescence Date is a date field with the format DDMONYY. For example,
12JUN10 is June 12th, 2010.

The selection of a plan option triggers the summarization of Excess Horizon Days and Obsolescence Date from the Item Attributes Mass Maintenance to APCC schema as part of the archive workflow. It also triggers the computation of Excess and Obsolescence. The plan type and the corresponding plan option are shown in the table below:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Plan Type</th>
<th>Plan Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Advanced Supply Chain Planning</td>
<td>Calculate Key Performance Indicators</td>
</tr>
<tr>
<td>2</td>
<td>Service Parts Planning</td>
<td>Calculate Key Performance Indicators</td>
</tr>
<tr>
<td>3</td>
<td>Distributed Replenishment Planning</td>
<td>Calculate Key Performance Indicators</td>
</tr>
<tr>
<td>4</td>
<td>Rapid Planning</td>
<td>Expose in Planning Analytics</td>
</tr>
</tbody>
</table>

**Excess and Obsolescence Reports**

This section describes the Excess and Obsolescence Reports. From the Excess and Obsolescence Summary Report, you can drill down to additional reports for a given plan:

- Obsolescence by Category. From this report, you can drill down to two additional reports:
  - Obsolescence by Item for a given plan or category
  - Aggregate Horizontal Plan for a given plan or category

- Obsolescence by Category Organization. From this report, you can drill down to three additional reports:
  - Obsolescence by Item Organization for a given plan or category
  - Obsolescence by category for a given plan or category
  - Aggregate Horizontal Plan for a given plan or category

- Aggregate Horizontal Plan, from which you can follow the Demand and Supply flow for any given plan.

- Excess by Category Report. From this report, you can drill down to two additional
Using the Resources Page

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

- Page-Level filters.
Using the Supply Chain Analyst Dashboard

- Resource Summary.
- Most Utilized Resources (baseline plan).
- Least Utilized Resources (baseline plan).
- Resources with Change in Utilization.
- Resource Utilization Trend.
- Rapid Planning Resource Plan drill-downs

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

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparison Plans</td>
<td>Select from a list of comparison plans. Multiple plans can be selected. This is a required field.</td>
</tr>
<tr>
<td>Baseline Plan</td>
<td>Select from a list of plans to use as a baseline. Only one plan can be selected. This is a required field.</td>
</tr>
<tr>
<td>Organization</td>
<td>Select from a list of organizations. Multiple organizations can be selected. This is an optional field.</td>
</tr>
<tr>
<td>Resource Group</td>
<td>Select from a list of resource groups. Multiple resource groups can be selected. This is an optional field.</td>
</tr>
<tr>
<td>Period Start</td>
<td>Select from a list of date and time selections. A range of date and time can be selected. This is an optional field.</td>
</tr>
</tbody>
</table>

### 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 5-67.

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 5-67

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

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>Select how you want to view the report. Options include <strong>Chart</strong> and <strong>Table</strong>. 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.</td>
</tr>
</tbody>
</table>

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 5-67

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.

<table>
<thead>
<tr>
<th>Resource</th>
<th>Baseline Utilization%</th>
<th>Comparison Utilization%</th>
<th>Diff%</th>
</tr>
</thead>
<tbody>
<tr>
<td>FINAL ASSM</td>
<td>22</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>MIXER2</td>
<td>1</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>CHPMOUNT1</td>
<td>24</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>INJECTMLD3</td>
<td>61</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>SMT</td>
<td>18</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>ROBOT</td>
<td>33</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>ROBOT2</td>
<td>2</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>CHP MOUNT</td>
<td>7</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>KASSM</td>
<td>22</td>
<td></td>
<td>0</td>
</tr>
<tr>
<td>ROBOT9</td>
<td>12</td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>
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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>Select how you want to view the report. Options include <strong>Time Trend Chart</strong> and <strong>Time Trend Table</strong>. 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.</td>
</tr>
</tbody>
</table>

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.

**Rapid Planning Resource Plan Drilldowns**

The Resource Plan in Rapid Planning is accessible from the following APCC reports:

• Resource Utilization by Resource Groups

• Resource Utilization by Organization

• Resource Utilization by Department

• Most Utilized Resources

• Least Utilized Resources

• Resources with Change in Utilization

The context that needs to be passed to Rapid Planning is one of the following:

• Plan, Resource

• Plan, Department, Resource

**Understanding the Editable Resource Plan**

APCC allows you to easily add resource capacity at an aggregate level. For example, you can add capacity to a resource at a week or period level. The Resource Plan provides direct editing of bucketed values whose changes are allocated back to the resource’s daily availability.

The resource records are displayed in a bucketed format, including a set of grand total rows. The records that are displayed include all the resources that you included in the criteria that was passed in as context, as well as an additional row or set of rows for the grand totals of all selected resources. As you edit the value for individual resources, the grand total changes in real time.
Understanding the Editable Resource Plan Features

The editable Resource Plan has the following features:

- The title of the dialogue displays the plan passed in as context.

- Based on the selected layout, the system determines how to render the editable Resource Plan. This includes which measures, column, and row headings to display.

- The cells containing editable measures are shaded so that you can easily distinguish between editable and non-editable cells.

- Measures values that you change will be shaded to show that the value has changed. The system does not recalculate your changes and refresh the display until you press the recalculate button. When the recalculation is completed, the cell shading disappears and returns to the editable cell status.

- When you select a different layout, the system refreshes the display and removes column headings that no longer apply.

Understanding the Table Toolbar

Across the top of the Resource Plan are the menus and tabs that allow you to customize your Resource Plan. They include:

- Action
- View
- Setup
- Layout
- Organization
- Department
- Resource
Recalculate

Action and View are drop-down menus, providing various alternatives. The remaining options are tabs. The following section outlines each item and its function.

**Action**: The Action drop-down menu provides three options:
- Setup: Setup invokes the setup dialog to create, edit, and save layout information.
- Recalculate: Recalculates measures, based on your latest changes.
- Export to Excel: Exports all the data in the table to a Microsoft Excel spreadsheet. For details on exporting to Excel, see the *Oracle Advanced Supply Chain Planning Implementation and User’s Guide Supplement*.

**View**: Lets you toggle between Hide Totals and Show Totals.

**Setup**: Invokes the setup dialog for the currently selected layout.

**Layout**: Required. It defaults to your default layout. When you choose a different layout, the system automatically redispays the Resource Plan using the newly selected layout.

**Organization**: Filters the Resource Plan by the selected organizations. If one or more organizations are passed in as context, these organizations will appear as selected organizations in the choicelist; if needed, you can then change which organizations they wish to see.

**Department**: Filters the Resource Plan by the selected departments. If one or more departments are passed in as context, these departments will appear as selected departments in the choicelist.

**Resource**: Filters the Resource Plan by the selected resource(s). If one or more resources are passed in as context, these resources will appear as selected resources in the choicelist.

**Search**: Refreshes the display based on the current values in the filter fields.

**Hide Totals/Show Totals**: Changes from Hide Totals to Show Totals based on whether totals are currently displayed. This allows you to toggle the display of the totals to On or Off.

**Export to Excel**: Exports all the data in the table to a Microsoft Excel spreadsheet.

**Recalculate**: Updates cumulative measures.

**Setting up the Layout**

From the main menu, go to the Setup window. In the Setup window, you can choose what rows you want displayed in your Resource Plan and what level of bucketing is applied for time. These choices must be saved as part of a layout that you can designate as either private for your use only or public for use by other users.

The setup dialog for layouts of Resource Plans is illustrated below, followed by a table.
Field Descriptions

The table below lists and describes the fields in the setup dialog.

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
<td>The name of the layout. Must be unique across all layouts, public or private.</td>
</tr>
<tr>
<td>Access</td>
<td>Valid values are:</td>
</tr>
<tr>
<td></td>
<td>• Private: The layout is only accessible by the creator of the layout.</td>
</tr>
<tr>
<td></td>
<td>• Public: The layout is accessible to all users.</td>
</tr>
<tr>
<td>Default</td>
<td>Defines your default layout. You can only have one default layout across all layouts, whether it's private or public layout.</td>
</tr>
<tr>
<td>Created By</td>
<td>Identifies the user who originally created the layout</td>
</tr>
</tbody>
</table>
Created On Displays the date and time the layout was created.

Last Updated By Identifies the user that last updated the layout.

Available Measures Displays the measures that are available for display, but have not yet been added to the selected measures. See list of available measures in the Available Measures table below.

Selected Measures Displays the measures selected for display. You can move the measures up or down in the list to control the sequence in which measures are displayed. At least one measure must be selected before the layout can be saved.

Time Axis Required. Valid Values are:
- Day
- Week
- Period

Action Buttons
The table below lists the Action buttons and describes their function.

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delete</td>
<td>Deletes the layout. When you choose to delete a layout, you will be prompted to confirm the deletion. After deleting a layout, the system automatically changes the currently selected layout to your default layout. If you delete your default layout, then the system selects the first public layout.</td>
</tr>
</tbody>
</table>
New

When you press New, the values in the General and Layout Tabs are reset accordingly:

- The Name and Default fields and cleared.
- The access to Public layouts (the default).
- The selected measures are retained from whatever view you were displaying prior to selecting the New button.
- The time axis defaults to Week.

OK

When you select OK, the system redisplays the plan using the latest values that are changed in the layout dialog. For example, if you change the time axis from week to period and press OK, the system redisplays the plan aggregated to period, even though the change has not yet been saved to the layout.

Save

Saves the layout with the latest changes.

Cancel

Cancels out of the layout set up. No changes are saved.

Available Measures

The measures that are available for inclusion in the layout are listed in the table below:

<table>
<thead>
<tr>
<th>Measure</th>
<th>Editable (Yes/No)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Available Hours</td>
<td>Yes</td>
</tr>
<tr>
<td>Capacity Load Ratio</td>
<td>No, but recalculated as edits are applied.</td>
</tr>
<tr>
<td>Cum Hours Available</td>
<td>No, but recalculated as edits are applied.</td>
</tr>
<tr>
<td>Net Hours Available</td>
<td>No, but recalculated as edits are applied.</td>
</tr>
<tr>
<td>Non-standard Jobs</td>
<td>No</td>
</tr>
<tr>
<td>Planned Orders</td>
<td>No</td>
</tr>
<tr>
<td>Required Hours</td>
<td>No</td>
</tr>
<tr>
<td>Total Resource Cost</td>
<td>No, but recalculated as edits are applied.</td>
</tr>
</tbody>
</table>
Column Headings

The column headings of the editable material plan are based on the time axis selected.

- If Day is selected as the time axis, then the column headings are Period, Week and then Day.

- If Week is selected as the time axis, then the column heading is Period and then Day.

- If Period is selected as the time axis, then the column heading is Period only.

Row Headings

The row headings of the editable Resource Plan are fixed as:

- Organization
- Department
- Resource

Passing in Context

The editable resource assumes that context will be passed in from the calling application, from an OBIEE query into the Resource Plan. For more information and the options available, refer to the section on Navigation, below.

**Note:** Navigation from OBIEE generally passes single values, by clicking on a single resource and navigating to the editable Resource Plan, the editable Resource Plan is called from ASCP personal queries. These queries could pass multiple departments or resources into the editable Resource Plan.

A combination of the following values can be passed in as context:

- Plan (single select, required)
- Organization (single or multiple values)
- Department (single or multiple values)
- Resource (single or multiple value)

Allocating Bucketed Quantities

Increasing resource availability
When you allocate an increase in the availability of a resource from week to day or from period to day, the system performs as follows:

1. Front load the additional resource capacity across the available work days up to, but not exceeding 24 hours in a day. The last shift of each day (for the time bucket updated) would be extended by increasing the hours in the last shift of each day (taking into account the number of resource units).

2. If all working days have been fully allocated to the 24 hour maximum and there is left over resource capacity that still needs allocating, add capacity to the non-working days starting with the first non-working day of the time bucket and continuing with the remaining non-working days (up to 24 hours for each non-working day).

3. If there is still additional capacity that must be allocated to the time bucket, increase the resource units starting with the first day of the time bucket.

For example, before any changes, Resource A’s availability for the week of 12-Mar-12 is as follows:

<table>
<thead>
<tr>
<th>Resource Units</th>
<th>Shift</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
<th>Sunday</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Available Capacity (Hrs) 32 32 32 32 32 0 0

Suppose you changed the resource capacity for the week from 160 (5 x 32) to 300, an overall increase of 140 hours for the week. The system responds as follow:

1. The system starts with Monday and extends the second shift of each day by 8 hours, This adds 16 per day to the resource availability because there are two resource units available. At the end of this first step the resource availability is as follows:

<table>
<thead>
<tr>
<th>Resource Units</th>
<th>Shift</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
<th>Sunday</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>
2. Next, the system allocates the remaining 40 hours by adding availability to the non-working days, filling up the first non-working day before proceeding to the next. Since Saturday is a non-working day, the system adds one shift, shift 1, up to a duration of 24 hours.

<table>
<thead>
<tr>
<th>Resource Units</th>
<th>Shift</th>
<th>Monday</th>
<th>Tuesday</th>
<th>Wednesday</th>
<th>Thursday</th>
<th>Friday</th>
<th>Saturday</th>
<th>Sunday</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>8</td>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>2</td>
<td>2</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>16</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Available Capacity (Hrs)

48 48 48 48 48 40 0

The system added a Saturday shift with a duration of 20 hours. Since there are two resource units, this represents an additional 40 hours of capacity. At this point the system stops because there are no more hours that need to be allocated.

**Decreasing a resource's availability:**

When allocating a decrease in the resource's availability from week to day or from period to day, the system reduces the hours proportionally. For example, if you reduce a resource's availability on a particular week from 40 hours to 30 hours, the system calculates the percent reduction (25% in this case) and reduces the availability on each day by 25%.

**Saving Changes**

Changes made to the Resource Plan are not committed to the database until you choose to save and close the resource plan dialogue.
Navigating the Editable Resource Plan

You can navigate from various APCC queries to the editable Resource Plan. The navigation must be defined as a reusable action to allow custom-built queries to call this action and pass in the appropriate context. This is similar to the way you drill into an APCC query and launch an ASCP form. You can navigate using one of the following options:

1. Drill down from Most Utilized Resources Table
2. From ASCP Plan Actions

Accessing the Editable Resource Plan from the Most Utilized Resources Table

To access the editable Resource Plan:

1. From the Supply Chain Analyst Resource dashboard, click the Resource Plan action.
2. Drill down from the Most Utilized Resources table to the desired resource.

Accessing the Editable Resource Plan from the ASCP Plan Actions

To access the editable Resource Plan:

1. From the Supply Chain Analyst dashboard, select either the Plan Health Summary link or the Demand Supply Link.
2. From the ASCP Plan Actions pull down, select the plan you want to carry as context into the ASCP Plan Actions, either the baseline plan or the comparison plans.

Note: Archived plans are not available for selection.
The plan name is passed in as context to the resource plan.

In addition, the Organization dashboard page filter is passed in as context into the Resource Plan. If the Organization prompt is null, that is, the page is not filtered by organization, the Resource Plan selects the first organization. This limits the amount of data displayed. You can then change the filter fields to the desired organization(s).

**Understanding Item Simulation Sets**

The item simulation set user interface lets you add or remove items from a simulation set as well as edit the attributes of the items within a simulation set to perform "what if" analyses. You can launch the Item Simulation Set User Interface (UI) by selecting a hyperlink from the APCC dashboard. The item simulation set name that is associated with the plan is passed into the UI as the default item simulation set. If needed, you can refine the item simulation set records you want to display by modifying the search criteria.

**Item Simulation Editable Fields**

To view all the editable fields in the Item Simulation Set, scroll to the right, using the horizontal scroll bar at the bottom of your Item Simulation Set screen. All the available editable fields are listed in the following table:

<table>
<thead>
<tr>
<th>Column</th>
<th>Editable (Yes/No)</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organization</td>
<td>Yes, but only when inserting a new table row.</td>
<td>Required. Select from list of valid organizations.</td>
</tr>
<tr>
<td>Item</td>
<td>Yes, but only when inserting a new table row.</td>
<td>Required. Select from list of valid items</td>
</tr>
<tr>
<td>Description</td>
<td>No</td>
<td>Displays the item description associated with the selected item.</td>
</tr>
<tr>
<td>Category</td>
<td>Yes/No</td>
<td>Comments</td>
</tr>
<tr>
<td>---------------------------</td>
<td>--------</td>
<td>----------</td>
</tr>
<tr>
<td>ATP Components Flag</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>ATP Flag</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Create Supply Flag</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Critical Component</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>DRP Planned</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Demand Fulfillment LT</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Demand Time Fence Days</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>End of Life Date</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Excessive Horizon Days</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Excess Tolerance Percent</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Fixed Days Supply</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Fixed LT</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Fixed Lot Multiplier</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Fixed Order Qty</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Forecast Control</td>
<td>Yes</td>
<td>No comments</td>
</tr>
</tbody>
</table>

Displays the product category associated with the selected item.

**Note:** If the Category Set was not passed in as context, the default APCC category set (user profile) is used to display the item's category.
<table>
<thead>
<tr>
<th>Feature</th>
<th>Yes</th>
<th>No comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Include in Excess and Obsolescence</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>MRP Planning Method</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Make or Buy</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Max Inventory Days of Supply</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Max Inventory Window</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Max Ord Qty</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Min Ord Qty</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Minimum Remaining Shelf Life (Days)</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>New Planned Order Creation</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Obsolescence Date</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Order Cost</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Planning Time Fence Days</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Post processing LT</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Pre-Position Point</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Preprocessing LT</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Processing LT</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Round</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Safety Stock Days</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Safety Stock Method</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Safety Stock Percent</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Attribute</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>-----------------------------------</td>
<td>-----</td>
<td>-------------</td>
</tr>
<tr>
<td>Safety Stock Value</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Selling Price</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Shelf Life Slack (Days)</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Shortage Tolerance Percent</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Shrinkage Rate</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Standard Cost</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Standard Deviation</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Std Deviation of Interarrival</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Std. Deviation for Daily Demand</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Substitution Window</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Unit Volume</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Unit Weight</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Unsatisfied Demand Factor</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Variable LT</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Volume UOM</td>
<td>Yes</td>
<td>No comments</td>
</tr>
<tr>
<td>Weight UOM</td>
<td>Yes</td>
<td>No comments</td>
</tr>
</tbody>
</table>

**Note:** When you insert a row into the simulation set, you can select the desired Organization/Item combination. Otherwise, the Organization and Item columns are non-editable.

**Note:** Once you enter a valid Organization/Item combination, the system copies the attributes from the item table into the simulation set.
**Note:** If you change a value, either by typing directly into the cell or through mass maintenance, the row is color coded.

### Search Fields

The Search fields provide the criteria with which you can find specific simulation sets. The search fields and their functions are listed in the table below:

<table>
<thead>
<tr>
<th>Column</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Simulation Set</td>
<td>Required field, single select. Valid value is Equal To. This field initially displays the item simulation set name associated with the current plan set options. You can override the simulation set name if needed. Any rows inserted into the table are associated with this simulation set.</td>
</tr>
</tbody>
</table>
| Organization    | Optional field, multi-select. Valid values are:  
* Equal To  
* Starts With  
* Contains |
| Category        | Optional field, multi-select. Valid values are:  
* Equal To  
* Starts With  
* Contains |
| Item            | Optional field, multi-select. Valid values are:  
* Equal To  
* Starts With  
* Contains |
### Planner
Optional field, multi-select. Valid values are:
- Equal To
- Starts With
- Contains

---

**Item Simulation Set Table Toolbar**

The Item Simulation Set table toolbar, which is located immediately above the Item/Org columns, has an Action Menu and a View Menu. These menus provide options that allow you to perform a variety of actions on your simulation sets. Each menu is described below.

**Action Menu**

The Item Simulation Action drop-down menu has four options:

- **Add**: Inserts a new row into the table, which allows you to add a new organization/item combination to the simulation set.

- **Remove**: Removes the selected row(s) from the simulation set.

- **Mass Edit**: Displays a Mass Edit dialog, which allows you to change the attribute(s) of the selected rows.

- **Export to Excel**: Exports all the data in the table to a Microsoft Excel spreadsheet.

**View Menu**

Using the View drop-down menu, you can choose the columns you want to display and the order in which they appear in the table. You can also sort their sequence.

- **Columns**: displays the available columns and allows you to choose which columns to display.

- **Reorder Columns...**: Displays the visible columns, selected from the columns menu item shown above, and allows you to reorder the columns.

- **Sort**: Allows you to sort the active column into ascending or descending order, or to perform an advanced sort using up to three columns.

**Layout Configuration**

You can choose the columns to display, the order in which they appear in the table and the sort sequence by selecting the appropriate option in the View menu, described above. Your changes persist across sessions as a user profile until you change them. The layout configuration is saved automatically.
Context of the Item Simulation Set and Plan

The item simulation set name that is associated with the selected plan is passed in as context and appears in the Simulation Set Name in the search panel. You can then further refine what items you wish to see by modifying the search fields, using the drop-down menus in the Search fields. You can also select to view a different item simulation set by changing the name of the Item Simulation Set in the Simulation Set field of the Search pane.

Navigating to the Item Simulation Set

You can select the Item Simulations Set link from either the Plan Health Summary or Demand and Supply pages of the Supply Chain Analyst dashboard. In the ASCP Plan Actions pane of your screen, you can choose the plan you want to carry into context in ASCP.

**Note:** Archived plans are not available for selection.

As soon as you select the Item Simulation Set link, the item simulation set dialog appears.

Accessing and Editing Item Simulation Sets

To access an item simulation set:

1. Click the Plan Health Summary tab or the Demand and Supply tab of the APCC dashboard.

2. Scroll to the bottom of your page and select the desired plan, either baseline or comparison.

3. From the ASCP Plan Actions box, select Item Simulation Set.

To edit an item simulation set:

1. Choose the simulation set you want from the Simulation Set drop-down list.

2. To insert a row in the Item Simulation set, click Add in the Item Simulation Set window.
The system inserts a row at the top of the table where you can then enter the desired organization/item combination.

You can edit an item and attribute directly in the table or you can edit multiple items and attributes using mass edit.

3. To edit several items and attributes at once, select the items you want to change using Ctrl/Shift and click Mass Edit in the table toolbar above the Org/Item columns.

You cannot edit the Org/Item columns; however you can edit the other item attributes, which are listed across the top of your Simulation Set. Click the attribute field corresponding to the Organization or Item you want to change and enter a new value or choose a value from the drop-down menu.

Mass Editing in the Item Simulation Set

Using the Mass Edit function in the Item Simulation Set window, you can change several attributes at once.

To mass edit in an Item Simulation Set

1. From the Item Simulation Set window, select the rows you want to change. To select more than one row, press Ctrl/Shift.
2. Click Mass Edit, located in the Item Simulation Set window toolbar.

3. The Item Simulation Set Mass Edit window displays the number of rows you chose in Step 1. The columns of the window are explained in the table below:

<table>
<thead>
<tr>
<th>Column</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Attribute Name</td>
<td>You can select any of the item attributes that are editable.</td>
</tr>
<tr>
<td>Update Action</td>
<td>Determines the type of update to be made. Valid Values are:</td>
</tr>
<tr>
<td></td>
<td>• Set Value To</td>
</tr>
<tr>
<td></td>
<td>• Increase by Value</td>
</tr>
<tr>
<td></td>
<td>• Increase by Percentage</td>
</tr>
<tr>
<td></td>
<td>• Decrease by Value</td>
</tr>
<tr>
<td></td>
<td>• Decrease by Percentage</td>
</tr>
<tr>
<td></td>
<td>• Set Original Value</td>
</tr>
</tbody>
</table>
Attribute Value  The value the attribute is overridden to, or increased/decreased, depending on the update action.

When update action is to Set Original Value, you cannot enter an attribute value.

4. Press Apply and Close if you are satisfied with your changes. Otherwise, press Clear to redo your changes or Cancel to close the window without making changes.

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
- Rapid Planning Exceptions Report drill-downs

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:

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparison Plans</td>
<td>Select from a list of comparison plans. Multiple plans can be selected. This is a required field.</td>
</tr>
<tr>
<td>Baseline Plan</td>
<td>Select from a list of plans to use as a baseline. Only one plan can be selected. This is a required field.</td>
</tr>
<tr>
<td>Category</td>
<td>Select from a list of categories. Multiple organizations can be selected. This is an optional field.</td>
</tr>
<tr>
<td>Filter</td>
<td>Description</td>
</tr>
<tr>
<td>------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Organization</td>
<td>Select from a list of organizations. Multiple organizations can be selected. This is an optional field.</td>
</tr>
<tr>
<td>Period Start</td>
<td>Select from a list of date and time selections. Select from a range of dates and times. This is an optional field.</td>
</tr>
</tbody>
</table>

**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 seven subreports:

- Item Exceptions Summary.
- Resource Exceptions Summary.
- 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 5-91.

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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measure</td>
<td>Select how you want to view the exception measure. Options include <strong>Exception – Days</strong>, <strong>Exception – Quantity</strong>, <strong>Exception – Ratio</strong>, <strong>Exception – Value</strong>, <strong>Exception – Count</strong>.</td>
</tr>
<tr>
<td>Exception Type</td>
<td>Select an exception type. Options include <strong>Early replenishment for forecast</strong>, <strong>Items with a shortage</strong>, and so on.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measure</td>
<td>Select how you want to view the exception measure. Options include Exception – Days, Exception – Quantity, Exception – Ratio, Exception – Value, Exception – Count.</td>
</tr>
<tr>
<td>Exception Type</td>
<td>Select an exception type. Options include Early replenishment for forecast, Items with a shortage, and so on.</td>
</tr>
</tbody>
</table>

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 5-91.

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

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>Select how you want to view the report. Options include <strong>Chart</strong> and <strong>Table</strong>. 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.</td>
</tr>
</tbody>
</table>

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

Rapid Planning Exception Report Drill Downs

The Exceptions Report in Rapid Planning is accessible from the following APCC reports:

- Exceptions Trend
- Exceptions Type by Category
- Exceptions Type by Supplier
- Exceptions Type by Customer
- Exceptions Type by Organization
- Exceptions Type by Item
- Exceptions Summary by Category
• Exceptions Summary by Organization
• Shipments to Plan by Category
• Shipments to Plan by Organization
• Production to Plan by Category
• Production to Plan by Organization
• Inventory Value by Category
• Inventory Value by Organization

The context that needs to be passed to Rapid Planning is one of the following:
• Plan, Exception Type
• Plan, Exception Type, Resource
• Plan, Exception Type, Item
• Plan, Exception Type, Organization
• Plan, Exception Type, Organization, Item

For details on each report, refer to the Supply Chain Analyst Dashboard section of this document.

Note: These drill-downs are also applicable to ASCP Plans in the SCA dashboard in which case it the drilldown is to the ASCP workbench.

Understanding Plan Details

The Exceptions tab of the Supply Chain Analyst Dashboard is similar to the Plan Health Summary tab. It is driven by the following measures:
• Baseline Plan
• Category
• Organization
• Period Start

You can drill down to Plan Details from any performance tile. This will pass the measures from the dashboard prompts to the Plan Details tab.

In the following explanations, online informational tiles are represented in colors. In the
documentation, the tiles are represented by textures as follows:

Green  Red  Yellow  Blue  Gray

You can customize these conditional formatting using the standard OBIEE personalization capabilities.

<table>
<thead>
<tr>
<th>Measure</th>
<th>Red</th>
<th>Green</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shortages</td>
<td>&gt;100</td>
<td>&lt; or = 100</td>
</tr>
<tr>
<td>Resource Overloads</td>
<td>&gt;100</td>
<td>&lt; or = 100</td>
</tr>
<tr>
<td>Cancellations</td>
<td>&gt;100</td>
<td>&lt; or = 100</td>
</tr>
<tr>
<td>Late Order Value</td>
<td>&gt;1,000,000</td>
<td>&lt; or = 1,000,000</td>
</tr>
<tr>
<td>Reschedule In</td>
<td>&gt;100</td>
<td>&lt; or = 100</td>
</tr>
<tr>
<td>Reschedule Out</td>
<td>&gt;100</td>
<td>&lt; or = 100</td>
</tr>
<tr>
<td>Supply Capacity Overloads</td>
<td>&gt;100</td>
<td>&lt; or = 100</td>
</tr>
</tbody>
</table>

The exception performance tile measures are calculated as follows:

- Late Orders: The Sum of Exception Count where exception Type Id = 24, 26, 69, 202, 203, 207, 52, 42, 23
- Shortages: The Sum of Exception Count where exception Type Id = 2
- Resource Overloads: The Sum of Exception Count where exception Type Id = 21, 208
- Supply Capacity Overloads: The Sum of Exception Count where exception Type Id = 28
- Cancellations: The Sum of Exception Count where exception Type Id = 8, 208
- Reschedule In: The Sum of Exception Count where exception Type Id = 6
- Reschedule Out: The Sum of Exception Count where exception Type Id = 7
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:

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Archived Plan</td>
<td>Select from a list of archived plans. Only one plan can be selected.</td>
</tr>
<tr>
<td>Period Start</td>
<td>Select from a list of date and time selections. A range of date and time can be selected.</td>
</tr>
</tbody>
</table>

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 5-99

In addition to the page-level filters at the top of the page, users can specify this filter for
Additional reports that you can access 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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>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.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>Select how you want to view the report. Options include <strong>Chart</strong> and <strong>Table</strong>. 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.</td>
</tr>
</tbody>
</table>
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.

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

<table>
<thead>
<tr>
<th>Category (Inv.Items)</th>
<th>Inventory Days of cover</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMPUTER.HANDHELD</td>
<td>4</td>
</tr>
<tr>
<td>COMPONENT.PLASTIC</td>
<td>3</td>
</tr>
<tr>
<td>COMPONENT.MISC</td>
<td>0</td>
</tr>
<tr>
<td>COMPONENT.ELECTRICAL</td>
<td>0</td>
</tr>
<tr>
<td>ASSEMBLY.SUBASSY</td>
<td>0</td>
</tr>
<tr>
<td>COMPONENT.MECHANICAL</td>
<td>0</td>
</tr>
</tbody>
</table>
Using the Supply Chain Analyst Dashboard

Field Description

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 5-99

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

Field Description

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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>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.</td>
</tr>
</tbody>
</table>

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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>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.</td>
</tr>
</tbody>
</table>

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.
- Scenario Summary Report
- Demand Pegging - Baseline Plan Report
- Left to Book by Quarter Report
- Plans Report
- Demand and Supply Summary Report
- Demand and Supply Trend Across Scenarios Report
- Resource Summary Report
- Resource Utilization Trend Report
- Exception Summary Report

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:

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparison Scenario</td>
<td>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.</td>
</tr>
<tr>
<td>Baseline Plan</td>
<td>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.</td>
</tr>
<tr>
<td>Category</td>
<td>Select from a list of categories. Multiple categories can be selected. This is an optional field.</td>
</tr>
</tbody>
</table>
Scenario Summary Report

The Scenario Summary report is similar to the Executive Summary report on the SOP Dashboard. It contains a summary of the demand and supply metrics for the scenario, including:

- Scenario Summary
- Manufacturing Period Start Date
- Measures
- Shipment History (units)
- Consensus Forecast (units)
- Sales Orders (qty)
- Constrained Forecast (units)
- Constrained Forecast Value in Reporting Currency
- Consensus Forecast Value in Reporting Currency
- Shipment History Value in Reporting Currency
- Actual Backlog Value in Reporting Currency
- Current Shipment Plan – Derived – Formula to add Shipment History Value and
Sales Order Value

- Difference – Consensus Forecast and Shipment Plan – Derived – Formula to subtract Current Shipment Plan from Consensus Forecast Value
- Projected Demand Fill %
- Operating Plan Value in Reporting Currency
- Financial Forecast Value in Reporting Currency
- Difference % - Operating Plan and Financial Forecast – Derived – Formula to ratio Financial Plan minus Financial Forecast

Filters

Filter set for prompts for Scenario Analysis page include both the prompted comparison Scenarios and the Baseline Scenario Presentation variable SCABScenarioPV.

From the Scenario Summary Report, you can drill down to the numerous reports using the default filtering from the analysis dashboard page level prompts. At the same time, you can enable interactive changing of the prompts to further filter down the selection or expand the selection.

The table below shows the drilldown reports you can access from the Scenario Summary report and the field values from which you drill down.

<table>
<thead>
<tr>
<th>From Field Value</th>
<th>Drilldown Report</th>
</tr>
</thead>
<tbody>
<tr>
<td>Constrained Forecast Value</td>
<td>Demand Pegging - Units</td>
</tr>
<tr>
<td></td>
<td>Demand Pegging - Value</td>
</tr>
<tr>
<td>Shipment History Value</td>
<td>Bookings Performance - Units</td>
</tr>
<tr>
<td></td>
<td>Bookings Performance - Value</td>
</tr>
<tr>
<td></td>
<td>Shipment Performance - Units</td>
</tr>
<tr>
<td></td>
<td>Shipment Performance - Value</td>
</tr>
<tr>
<td>Actual Backlog Value</td>
<td>Backlog Analysis – Units</td>
</tr>
<tr>
<td></td>
<td>Backlog Analysis – Value</td>
</tr>
<tr>
<td>Sales Order Value</td>
<td>Sales Order Analysis - Units</td>
</tr>
<tr>
<td></td>
<td>Sales Order Analysis - Value</td>
</tr>
</tbody>
</table>
Demand Pegging - Units Report

The Demand Pegging - Units report is viewed by drilling down from the Constrained Forecast Value field in the Scenario Summary Report. It provides information about the following:

- Scenario
- Organization
- Category description
- Manufacturing week start

The following measures are available from the Demand Pegging – Units report:

- Demand Pegged to Onhand (qty)
- Demand Pegged to Scheduled Receipts (qty)
- Demand Pegged to Planned Orders (qty)

Filters

The filters are the Supply Chain Analyst (SCA) Scenario prompts.

Views

The views are:

- Title
- Chart - Stacked bar of metrics by week
- Pivot table

You can view the Pivot table by the following criteria:

- Organization, Category, Measure Labels as Rows
- Week as column
- Demand Pegged to Onhand, Demand Pegged to Scheduled Receipts, Demand Pegged to Planned Orders as measures
**Demand Pegging - Value Report**

The Demand Pegging - Value report is viewed by drilling down from Constrained Forecast Value field in the Scenario Summary Report. It provides information about the following:

- Scenario
- Organization
- Category description
- Manufacturing week start

The following measure are available from the Demand Pegging - Value report:

- Demand Pegged to Onhand – Value in Reporting Currency
- Demand Pegged to Scheduled Receipts – Value in Reporting Currency
- Demand Pegged to Planned Orders – Value in Reporting Currency

**Filters**

The filters are the SCA Scenario prompts.

**Views**

- Title
- Chart – Stacked bar of metrics by week
- Pivot table

The Pivot table is viewed by the following criteria:

- Organization, Category, Measure Labels as Rows
- Week as column with totals
- Demand Pegged to Onhand – Value in Reporting Currency, Demand Pegged to Scheduled Receipts – Value in Reporting Currency, Demand Pegged to Planned Orders – Value in Reporting Currency as measures.

**Bookings Performance – Units Report**

The Bookings Performance – Units report is view by drilling down from the Shipment History – Value field of the Scenario Summary report. It provides information about the following:

- Scenario
• Manufacturing Week Start Date

• Category Description

The following measures are available from the Booking Performance - Units report:
• Bookings Forecast (units)
• Bookings History (units)
• Filters

Filters
The filter is set from the SCA dashboard, Scenario Analysis.

Views
The views are:
• Title
• Column Selector – Choose View By from Category, Organization, Customer, Zone
• Chart – Line Bar Combo – Bookings Forecast as Line and Bookings History by week as Bar
• Pivot Table

The Pivot table is viewed by the following criteria:
• Category and Measure Labels as Rows
• Week as Column with Totals
• Bookings Forecast (units) and Bookings History (units) as measures

Bookings Performance – Value Report
The Bookings Performance – Value report is view by drilling down from the Shipment History – Value field of the Scenario Summary report. It provides information about the following:
• Scenario
• Manufacturing week start date
• Category description

The following measures are available from the Booking Performance - Units report:
• Bookings Forecast – Value Reporting Currency
Using the Supply Chain Analyst Dashboard

- Bookings History Value Reporting Currency Filters

Filters
The filter is set from the SCA dashboard, Scenario Analysis.

Views
The views are:
- Title
- Column Selector – Choose View By from Category, Organization, Customer, Zone
- Chart-Line Bar Combo. Bookings Forecast as Line and Bookings History by week as a bar. The bar and line Axis are synchronized.
- Pivot table

The Pivot table is viewed by the following criteria:
- Category and Measure Labels as Rows
- Week as Column with Totals
- Bookings Forecast (units) and Bookings History (units) as measures

Shipment Performance - Units Report
The Shipment Performance - Units report is viewed by drilling down from the Shipment History Value field in the Scenario Summary Report. It provides information about the following:
- Scenario
- Category description
- Manufacturing week start

The following measures are available from the Shipment Performance – Units report:
- Shipment Forecast (units)
- Shipment History (units)

Filters
The filters are set from the SCA dashboard, Scenario Analysis.

Views
The views are:
• Title

• Column Selector – Choose View By from Category, Organization, Customer, Zone

• Chart – Line Bar Combo – Shipment Forecast as Line and Shipment History by week as Bar. The Bar and Line axis are synchronized.

• Pivot table

The Pivot table is viewed by the following criteria:

• Category and Measure Labels as Rows

• Week as Column with Totals

• Shipment Forecast (units) and Shipment History (units) as measures

**Shipment Performance – Value Report**

The Shipment Performance - Value report is viewed by drilling down from the Shipment History Value field in the Scenario Summary Report. It provides information about the following:

• Scenario

• Category description

• Manufacturing week start

The following measures are available from the Shipment Performance – Value report:

• Shipment Forecast Value in Reporting Currency

• Shipment History Value in Reporting Currency

**Filters**

Filters are set from the SCA dashboard, Scenario Analysis.

**Views**

The views are:

• Title

• Column Selector – Choose View By from Category, Organization, Customer, Zone

• Chart – Line Bar Combo – Shipment Forecast Value in Reporting Currency as Line and Shipment History Value in Reporting Currency by week as Bar. The Bar and Line axis are synchronized.
- Pivot table

The Pivot table is viewed by the following criteria:
- Category and Measure Labels as Rows
- Week as Column with Totals
- Shipment Forecast Value in Reporting Currency and Shipment History Value in Reporting Currency as measures

**Backlog Analysis - Units Report**

The Backlog Analysis - Units report is viewed by drilling down from the Backlog Value field in the Scenario Summary Report. It provides information about the following:
- Scenario
- Category description
- Manufacturing week start

The Actual Backlog measure is available from the Shipment Performance – Value report.

**Filters**

The filters are set from the SCA dashboard, Scenario Analysis.

**Views**

The views are:
- Title
- Column Selector – choose View By from Category, Organization, Customer, Zone
- Chart – Stacked Bar Chart - Actual Backlog by Category by Week
- Pivot table

The Pivot table is viewed by the following criteria:
- Category and Measure Labels as Rows
- Week as Column with Totals
- Actual Backlog (units) as Measure

**Backlog Analysis – Value Report**

The Backlog Analysis – Value report is viewed by drilling down from the Backlog...
Value field in the Scenario Summary Report. It provides information about the following:

- Scenario
- Category description
- Manufacturing week start

The Actual Backlog - Value Reporting Currency measure is available from the Shipment Performance – Value report.

**Filters**

Filters are set from the SCA dashboard, Scenario Analysis.

**Views**

The views are:

- Title
- Column Selector – choose View By from Category, Organization, Customer, Zone
- Chart – Stacked Bar – Backlog by Category by Week
- Pivot table

The Pivot table is viewed by the following criteria:

- Category and Measure Labels as Rows
- Week as Column with Totals
- Actual Backlog – Value Reporting Currency as measure

**Sales Order Analysis – Units**

The Sales Order Analysis – Units report is viewed by drilling down from Sales Order Value field in the Scenario Summary Report. It provides information about the following:

- Scenario
- Category description
- Manufacturing week start

The following measures are available from the Sales Order Analysis - Units report:

- Sales Order – Scheduled Date (qty)
• Sales Order – Requested Date (qty)
• Sales Order – Promised Date (qty)

Filters
The filters are set from the SCA dashboard, Scenario Analysis.

Views
The views are:
• Title
• Sales Order – Scheduled Date (qty) Sales Order – Requested Date (qty) Sales Order – Promised Date (qty)
• Chart – Stacked Bar – Sales Orders by Category by week as Bar
• Pivot table

The Pivot table is viewed by the following criteria:
• Category and Measure Labels as Rows
• Week as Column with Totals
• Sales Orders – Scheduled Date (qty), Sales Orders, Request Date, Sales Orders – Promise Date as measures

Sales Order Analysis – Value Report
The Sales Order Analysis – Value report is viewed by drilling down from Sales Order Value field in the Scenario Summary Report. It provides information about the following:
• Scenario
• Category description
• Manufacturing week start

The following measures are available from the Sales Order Analysis - Units report:
• Sales Order – Scheduled Date - Value in reporting currency
• Sales Order – Requested Date - Value in reporting currency
• Sales Order – Promised Date - Value in reporting currency

Filters
Filters are set from the SCA dashboard, Scenario Analysis.

**Views**
The views are:

- Title
- Column Selector – Choose View By from Category, Organization, Customer, Zone
- Chart – Stacked Bar – Sales Order Value by Category by week as Bar
- Pivot table

The Pivot table is viewed by the following criteria:

- Category and Measure Labels as Rows
- Week as Column with Totals
- Sales Orders - Scheduled Date - Value in Reporting Currency, Sales Orders - Request Date - Value in Reporting Currency, Sales Orders - Promise Date - Value in Reporting Currency as measures

**Current Shipment Plan Report**
The current shipment plan measure combines period to date shipment history and sales orders (backlog) scheduled to ship in the period. It expresses how much of the forecast or revenue target is already covered by booked orders that may or may not have yet shipped. A comparison of this measure to the forecast becomes how much is "left to book" to meet the forecast.

The Current Shipment Plan report is viewed by drilling down from the Current Shipment Plan in the Scenario Summary Report. It provides information about the following:

- Scenario
- Organization
- Category Description
- Manufacturing Week Start date

The following measures are available from the Current Shipment Plan report:

- Shipment History – value in Reporting Currency
- Sales Orders – Value in Reporting Currency
- Consensus Forecast – value in Reporting Currency
• Derived Measure – Current Shipment Plan – sum of Shipment History and Sales Orders

• Derived Measure – Difference – Forecast and Shipment Plan. Consensus forecast minus current shipment plan

Filters
The filters are the SCA Scenario Analysis prompts.

Views
The views are:
• Title
• Pivot table
• Organization, Category, Measure Labels as Rows
• Week as Column with Totals
• Shipment History Value, Sales Order Value, Current Shipment Plan, Consensus Forecast value, Difference Forecast and Shipment Plan, Cumulative Difference Forecast and Current Shipment Plan as measures

Demand Pegging – Baseline Plan Report
The Demand Pegging - Baseline Plan report provides information about the scenario.
• Demand Pegged to On Hand – Value in Reporting Currency
• Demand Pegged to Scheduled Receipts – Value in Reporting Currency
• Demand Pegged to Planned Orders – Value in Reporting Currency

An example of the Demand Pegging - Baseline Plan report is shown below:
Filters
The filters are the SCA Scenario prompts that are adjusted to select the Baseline Scenario.

Views
The views are:

- Title: Customer Title with Presentation Variable for Baseline Scenario and Demand Utilization Split – Baseline `@{SCABScenarioPV}`

- Chart, pie chart of measures
Left to Book by Quarter Report

The Left to Book by Quarter report provides information about the following:

- Scenario Name - Baseline Scenario
- Fiscal Quarter Start Date

The following measures are available from the Left to Book by Quarter Report:

- Consensus by Forecast – Value in Reporting Currency
- Sales Orders – Value in Reporting Currency
- Shipment History – Value in Reporting Currency

Filters

The filters are SCA Scenario prompts, adjusted to prompted Baseline Scenario.

Views

The views are:

- Title: Custom title to insert presentation variable for baseline scenario
- Chart: combined line/bar chart
- Quarter as Axis
- Sales Order Value and Shipment History Value as stacked bar
- Consensus Forecast Value as Line
- Line and Bar axis synchronized

Plans Report

The Plans report provides information about:

- Scenario
- Plan
- Formula on column to provide link to ASCP or Rapid Planning

Filters

The filters capture prompted comparison scenarios and prompted baseline scenario.
Views

The views are:

- Title

- Table: a simple table of scenario and plan

Demand and Supply Summary Report

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 5-40

Demand and Supply Trend Across Scenarios Report

The Demand and Supply Trend Across Scenarios report on the Scenario Analysis page is similar to 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 5-42

Navigations:
From Total Demand:

- Demand Pegging – Units

- Demand Pegging – Value

From Total Supply

- Supply Utilization – Units

- Supply Utilization – Value

Supply Utilization – Units Report

The Supply Utilization – Units report provides information about:

- Scenario

- Organization

- Category Description
• Manufacturing Week Start

The following measures are available from the Supply Utilization – Units report:
• Supply End Pegged to Sales Orders (qty)
• Supply End Pegged to Forecasts (qty)
• Supply End Pegged to Safety Stocks (qty)
• Supply End Pegged to Excess (qty)

Filters
The filters are the SCA Scenario prompts expressed as filters.

Views
The views are:
• Title
• Chart – stacked bar of metrics by week
• Pivot table

You can view the Pivot table by the following criteria:
• Organization, Category, Measure Labels as Rows
• Week as column with totals
• Supplies End Pegged to Sales Orders, Supplies End Pegged to Forecasts, Supplies End Pegged to Safety Stocks, Supplies End Pegged to Excess as measures

**Supply Utilization – Value Report**
The Supply Utilization – Value report provides information about the following:
• Scenario
• Organization
• Category Description
• Manufacturing week start

The following measures are available from the Supply Utilization – Value report:
• Supplies End Pegged to Sales orders – value in reporting currency
• Supplies End Pegged to Forecasts – value in reporting currency
• Supplies End Pegged to Safety Stocks – value in reporting currency
• Supplies End Pegged to Excess – value in reporting currency

Filters
The filters are the SCA Scenario prompts.

Views
The views are:
• Title
• Chart, stacked bar of metrics by week
• Pivot table

The Pivot table can be viewed by the following criteria:
• Organization, Category, Measure Labels as Rows
• Week as column with totals
• Supplies End Pegged to Forecasts – Value in Reporting Currency, Supplies End Pegged to Forecasts, Value in Reporting Currency, Supplies End Pegged to Safety Stocks – Value in Reporting Currency, Supplies End Pegged to Excess – Value in Reporting Currency as measures

Resource Summary Report
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 5-68

Resource Utilization Trend Report
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 5-71

Exception Summary
The Exception Summary report on the Scenario Analysis page is exactly like the
Using the Supply Chain Analyst Dashboard

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 5-93

Using the Inventory Analysis Page

The Inventory Analysis page allows supply chain analysts to efficiently evaluate how inventory attributes and parameters vary from plan to plan and within a plan. You can make inventory decisions using APCC. All reports are provided in the reporting currency.

All reports are provided in the reporting currency.

An example of the top portion of the Inventory Analysis page is shown below. Addition reports are available by scrolling down the page.

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 Inventory Analysis page.

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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.

Comparison Plan
Select from a list of plans that are to be used to compare to the baseline plan. You can select multiple plans from this list.

Category
Select from a list of categories. Multiple categories can be selected. This is an optional field.

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

Week Start
Select from the date range of choice over which the reports are displayed.

Inventory Analysis Page Reports
The following diagram shows the reports available in the Inventory Analysis Page and their relationship to each other.

Inventory Performance Summary Report
The inventory performance summary page helps users understand the investment required to achieve a given service level and the profit that is derived from it. The
following measures provide this information:

- Achieved service level
- Target service level
- Carrying costs
- Manufacturing cost
- Purchasing cost
- Transportation cost
- Total supply chain cost
- Revenue
- Gross margin
- Gross margin as a percentage
- Inventory value

You can view the Inventory Performance Summary report as a table, bubble graph, or chart.

From the Inventory Summary Report, you can drill down to the following reports:

- Inventory Value by Category
- Inventory Value by Organization
- Service Level Short Fall by Category
- Inventory Budget Excess by Category

Drilldown reports are sorted by Service level shortfall, but display all categories. The Difference in service levels is given as a percentage and calculated as:

\[
\text{Difference} = \frac{\text{Target Service Level} - \text{Achieved Service Level}}{\text{Target Service Level}} \times 100
\]

The graph on the Inventory Analysis page is for the Baseline Plan and the report on the dashboard page is Top-N.

**Inventory Measures Trend Report**

This report helps analyze inventory performance using key measures of Safety Stock and Service Level. This helps users understand if achieved service level is tracking to target service level and if projected available balance is tracking to safety stock.
The report can be viewed as a table or a chart.

In generating the Inventory Measure Trend report, note the following:

• The report is generated for the Baseline Plan

• A link to the Inventory measures Trend by Category-Organization is available at the bottom of the report

• The report is available in Reporting currency

• Data is displayed in Manufacturing Periods.

An example of the Inventory measures Trend report is shown below:

![Inventory Measures Trend - Baseline (Plan Name)](image)

Inventory Quantity (Value) by Category Report and Inventory Quantity (Value) by Organization Report

These two reports are drill downs from the Inventory Performance Summary report and provide inventory information for a given plan. From either one of these plans, you
can drill down to the Comparison of Inventory Quantity (Value) and Safety Stock.

If the drill down is from Inventory Quantity (Value) by Category report, then the resulting report is the Inventory Quantity and Safety Stock Comparison for the specific category across organizations.

If the drill down is from Inventory Quantity (Value) by Organization report, then the resulting report is the Inventory Quantity and Safety Stock Comparison for all categories in the specific organization.

Inventory Quantity (Value) as a drilldown report brings up both the Inventory Quantity (Value) by Category and Inventory Quantity (Value) by Organization reports. These are not Top-N reports.

Service Level Short Fall by Category Report

The Service Level Short Fall by Category report details the Top N categories that have the greatest difference between Achieved Service Level and Target Service Level for a given plan.

This report is a drill down from the Inventory Performance Summary report. It applies to a given plan. From this report, you can drill down to the Inventory Measures Trend by Category-Organization report, which displays information for a given plan or organization.

Some points to note when using this report are:

- The graph on the Inventory Analysis page is for the Baseline Plan.

- Only the report on the dashboard page is a Top-N report, if it a drilldown report, sort by Service Level Shortfall but display all categories.

- The Difference in Service Level as a percentage is computed as:

\[
\text{Difference in Service Level} = \frac{\text{Target Service Level} - \text{Achieved Service Level}}{\text{Achieved Service Level}}
\]

An example of a Service Level Shortfall by Category report is shown below:
Inventory Budget Excess by Category Report

This report details the Top-N categories with the most difference between Budget and Inventory Value (Average Projected Available Balance (reporting currency) over the desired period). It helps business users understand which categories have either exceeded their budget or are way below their assigned budget values.

This report is a drill down from the Inventory Performance Summary report. An example of the report is shown below:
Comparison of Inventory Quantity (Reporting Currency) and Safety Stock

This report, generated for selected categories and organizations, helps you compare inventory to safety stock in value, days of cover and quantity. The report also displays a Ratio, which is useful in determining if there is adequate inventory available to meet Safety Stock. The Ratio is sorted in ascending order.

**Note:** Safety Stock that is used in this table is the value of the first bucket.

This report is a drill down from the Inventory Quantity (Value) by Category and the Inventory Quantity (Value) by Organization reports. You can drill down from this report to the Item-Organization level by using the inherent hierarchy of the model.

Safety Stock Postponement Analysis Report

This report details material positioning for across plans. It helps business users understand how much organizations have saved in terms of carrying cost and cost of
inventory in using postponement.

From this report, you can drill down to Safety Stock Postponement Analysis by Category report and the Safety Stock Postponement Analysis by Organization report. An example of the Safety Stock Postponement Analysis report is shown below:

![](image)

**Safety Stock Postponement Analysis by Organization Report**

This report details material positioning for a given plan across organizations. It helps users understand how much organizations have saved in terms of carrying cost and cost of inventory in using postponement.

Savings is calculated as:

*Measure without Postponement – Measure with Postponement*

This report is a drill down from the Safety Stock Postponement Analysis report. There are no drill downs from this report.

**Build Plan Report**

The Build Plan report is part of Demand Fulfillment tab in the Supply Chain Analyst Dashboard. It uses the End Item Dimension to provide insight to planners. This report provides the ability to analyze measure by End Item, which shows the quantities for each component item across all end items.

Four measures covered in the report are:

- Total Supply
- Total Demand
- Total Demand Fulfilled
- Projected Available Balance
Order Details Report

As part of your analysis, you can display contextual Order. APCC supports order details as a new Measure Group called Order Details, in which order attributes are exposed as measures. You can access this report as a contextual drill-down from the Build Plan report.

The report shows the list of attributes along with their relevance to Supplies only, Demands only, or both Supplies and Demands.
Click Total Supply or Total Demand in the Build Plan report. Order Details refreshes and display the orders for that specific context of Item, Org, and Week based on all the dates that fall in that week according to the Sugg Due Date.

**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:

<table>
<thead>
<tr>
<th>Attribute</th>
<th>Dim?</th>
<th>Supplies</th>
<th>Demands</th>
<th>Aggregation Rule</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Item</td>
<td>Product</td>
<td>Yes</td>
<td>Yes</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Organization</td>
<td>Organization</td>
<td>Yes</td>
<td>Yes</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Order Type</td>
<td>Order Type</td>
<td>Yes</td>
<td>Yes</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Order Priority</td>
<td></td>
<td>Yes</td>
<td></td>
<td>Average</td>
<td></td>
</tr>
<tr>
<td>Order Number</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Line Number</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Requested Date</td>
<td></td>
<td></td>
<td></td>
<td>Min</td>
<td>Timestamp Truncated</td>
</tr>
<tr>
<td>Suggested Due Date</td>
<td>Time</td>
<td>Yes</td>
<td>Yes</td>
<td>Min</td>
<td>Timestamp Truncated</td>
</tr>
<tr>
<td>Need By Date</td>
<td></td>
<td>Yes</td>
<td></td>
<td>Min</td>
<td>Timestamp Truncated</td>
</tr>
<tr>
<td>Days Late</td>
<td></td>
<td></td>
<td></td>
<td>Average</td>
<td></td>
</tr>
<tr>
<td>Order Qty</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td>Sum</td>
<td></td>
</tr>
<tr>
<td>Firm Date</td>
<td></td>
<td></td>
<td></td>
<td>Min</td>
<td>Timestamp Truncated</td>
</tr>
<tr>
<td>Firm Qty</td>
<td></td>
<td>Yes</td>
<td></td>
<td>Sum</td>
<td></td>
</tr>
<tr>
<td>Source Org</td>
<td></td>
<td>Yes</td>
<td></td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>Source Supplier</td>
<td>Supplier</td>
<td>Yes</td>
<td></td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Source Supplier Site</td>
<td>Supplier</td>
<td>Yes</td>
<td></td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Customer</td>
<td></td>
<td>Customer</td>
<td>Yes</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Customer Site</td>
<td></td>
<td>Customer</td>
<td>Yes</td>
<td>NA</td>
<td></td>
</tr>
<tr>
<td>Report Name</td>
<td>Measures or Facts</td>
<td>Dimension or View by</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------------------------------------</td>
<td>---------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>----------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Aggregate Horizontal Plan</td>
<td>Total demand, total supply, safety stock, and projected available balance (PAB) – units</td>
<td>Plan</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Days of Cover by Items</td>
<td>Exception count (use alternate sources or use alternate suppliers) and safety stock violations</td>
<td>Plan or Period</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Days of Cover by Organizations</td>
<td>Days of cover</td>
<td>Organization</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Demand and Supply Totals by Category</td>
<td>Total demand, forecast sales orders, past-due backlog quantity, total supply, on hand, days of cover, and scheduled receipts</td>
<td>Category</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Demand and Supply Totals by Organization</td>
<td>Total demand, forecast sales orders, past-due backlog quantity, total supply, on hand, days of cover, and scheduled receipts</td>
<td>Organization</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Detailed Horizontal Plan</td>
<td>Total demand, forecast, sales order, total supply, on hand, scheduled receipts, planned orders, safety stock, PAB – units</td>
<td>Plan</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exceptions by Categories</td>
<td>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</td>
<td>Category</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Report Name</td>
<td>Measures or Facts</td>
<td>Dimension or View by</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>---------------------</td>
<td>-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>----------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exceptions by Customers</td>
<td>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)</td>
<td>Customer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exceptions by Items</td>
<td>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</td>
<td>Item</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exceptions by Organizations</td>
<td>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</td>
<td>Organization</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exceptions by Suppliers</td>
<td>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)</td>
<td>Supplier</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Report Name</td>
<td>Measures or Facts</td>
<td>Dimension or View by</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>------------------</td>
<td>---------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Exceptions Trend</td>
<td>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</td>
<td>Exception type</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Least Utilized Resources</td>
<td>Resource availability, resource requirement, or resource utilization</td>
<td>Resources</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Most Utilized Resources</td>
<td>Resource availability, resource requirement, or resource utilization</td>
<td>Resources</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Production to Plan by Organization</td>
<td>Production to plan</td>
<td>Organization</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resource Utilization Trend</td>
<td>Resource availability, resource requirement, or resource utilization</td>
<td>Plan</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resource Utilization by Department</td>
<td>Resource availability, resource requirement, or resource utilization</td>
<td>Department</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resource Utilization by Organizations</td>
<td>Resource availability, resource requirement, or resource utilization</td>
<td>Organization</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Resource Utilization by Resource Groups</td>
<td>Resource availability, resource requirement, or resource utilization</td>
<td>Resource Group</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shipments to Plan by Organization</td>
<td>Shipments to plan</td>
<td>Organization</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Report Name</td>
<td>Measures or Facts</td>
<td>Dimension or View by</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>-------------------</td>
<td>----------------------</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WIP (work in progress) Start by Organizations</td>
<td>WIP start quantity</td>
<td>Organization</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

**Using the Projects Supply Chain Page**

Projects Supply Chain page of the Supply Chain Analyst dashboard enhances the integration of APCC with ASCP. It lets you evaluate supply performance against the objective of meeting project deliverables. You can analyze:

- Overall on time delivery performance of key projects
- Key project and supply chain metrics
- Top late sales orders and purchase orders across projects
- Key exceptions linked to projects
• Resource utilization summary

You can also drill down to related information if you need to perform more in depth analyses and perform corrective actions.

![Image](image.png)

**Project Supply Chain Content**

The Projects Supply Chain tab displays five panes:

• Project Performance Summary

• Exception Summary by Project

• Top Late Demands

• Top Late Purchase Orders

• Most Utilized Resources

**Project Performance Summary**

The Projects Performance summarizes the demand satisfaction information at the Project level. It tells you the cost of the project and the number of orders in the project. It also shows the number of projects that are late and by how many days they are late.

The Baseline plan is in the first column.

This summary supports the following drill-downs from Orders (Total) and Orders (Late):

• Order Details

• Demand and Supplies by Order Type
### Column Description

<table>
<thead>
<tr>
<th>Column</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project</td>
<td>Shows your selected projects if you apply a project filter. If you do not select a filter, the table displays all projects. If you select a project and there are no demands in it or the baseline plan, the project is not displayed.</td>
</tr>
<tr>
<td>On Time</td>
<td>Valid values are:</td>
</tr>
<tr>
<td></td>
<td>• Yes: All demands are satisfied.</td>
</tr>
<tr>
<td></td>
<td>• No: One or more demands is late.</td>
</tr>
<tr>
<td>Days Late</td>
<td>Max(Days Late) of all the demands of this project</td>
</tr>
<tr>
<td>Project Cost</td>
<td>SUM { demand quantity * item standard cost } of all the demands in this project</td>
</tr>
<tr>
<td>Orders (Total)</td>
<td>COUNT { all demands of this project }</td>
</tr>
<tr>
<td>Orders (Late)</td>
<td>COUNT { all late demands of this project }</td>
</tr>
</tbody>
</table>

### Drill Down Reports

**Order Details**

The Order Details report has changed from a dashboard page to a drill-down. The report is used to enable a drill-down from the Project Performance Summary report. The report has the following prompts:

- Item
- Org
• End Item
• End Org

Demands and Supplies by Order Type
This drill-down displays the supplies and demands for a specific project/plan combination by Org, Category, and Order Type. There are no additional drill-downs from this report.

<table>
<thead>
<tr>
<th>Plan</th>
<th>Project</th>
<th>Org</th>
<th>Category</th>
<th>Order Type</th>
<th>Order Quantity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Daily-Current</td>
<td>VC-Dynamic</td>
<td>TST:D2</td>
<td>ASSEMBLY.FG</td>
<td>Forecast</td>
<td>100</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Planned Order</td>
<td>40</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Work Order</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TST:M1</td>
<td>ASSEMBLY.FG</td>
<td>Planned Order Demand</td>
<td>40</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>SUBASSY.SUBASSY</td>
<td>Planned Order</td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>COMPONENT.MECHANICAL</td>
<td>Planned Order Demand</td>
<td>20</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Exceptions Summary by Project
The Exceptions Summary by Project is a graph that summarizes the count of exceptions by exception type for selected projects. The following exception types are included:

• Order Lead Time Constraint
• Late Replenishment for Sales orders
• Late Replenishment for Forecasts
• Resource Overloaded
• Supplier Capacity Overloaded
• Orders with insufficient lead time
• Orders with Compression Days
- Resource Constraint
- Material Constraint
- Lead Time constraint
- Items with a shortage in a project / task
- Items with excess in a project / task
- Items allocated across projects / tasks

The Exception Summary Count by Project report supports the following drill-downs from any bar:
- Exceptions by Category
- Exceptions by Items
- Exceptions by Organizations

**Top Late Demands (by Value)**

The Top N Late Demands (by value) table displays the top N late demands in decreasing order of Order Value and then Days Late. The Top N value is set by the profile MSC: Value of N for all top/bottom-N reports in Dashboards, (MSC_HUB_TOP_BOTTOM_N_Value). In the screen shown, N=10.
This table supports and Order Value drill-down, which displays the ADF based Orders screen. The screen displays end demand and all pegged supplies of that demand in the ASCP Supplies and Demands screen. You can hide or show additional columns in the Orders screen so you can perform specific analyses.

**Top Late Purchase Orders (by Days Late)**

The Top Late Purchase Orders (by Days Late) shows the purchase orders in the plan whose Suggested Due Date is greater than Need by Date. The report, which filters by the baseline, sorts the results in descending order of Days Late where Days Late = Suggested Due Date – Need by Date.

The top N value is set in the profile MSC: Value of N for all top/bottom-N reports in Dashboards (MSC_HUB_TOP_BOTTOM_N_Value).

There are no drill downs from this report.

**Resource Utilization Summary**

The Resource Utilization Summary shows the most utilized resources in the plan in decreasing order of resource utilization. It does not filter on projects. You can toggle between a table or graph display.

**Note:** This report is identical to the one on the Most Utilized report on the Resource tab of Supply Chain Analyst. The project filter will not apply to resource utilization.

**New Reports in the Supply Chain Analyst Dashboard**

The Supply Chain Analyst Dashboard has six new reports under different tabs or reports. They are described in the following sections.
New Reports in Plan Health Summary

Plan Health Summary has the following new reports:

- Purchasing Cost by Period
- Days on Hand of Cover
- Revenue by Period

Purchasing Cost by Period

The Purchasing Cost by Period report displays all the planned purchases by manufacturing period. It is filtered to include the baseline and comparison plans.

The report contains the following details:

- Dimensions
  - Plan
  - Time

- Facts
  - Purchasing Cost (reporting currency)

- Filters
  - Plan – Baseline and Comparison
  - Category
  - Organization
  - Period Start
Days on Hand of Cover

This report displays a summary view of days of cover. You can show your results as a chart or a graph by means of a graph prompt. It contains the following details:

The report contains the following details:

- Dimensions
  - Plan
  - Time
  - Item - Category

- Facts
  - On-Hand-Days

- Filters
  - Plan – Baseline and Comparison
  - Category
  - Organization
  - Period Start

- Chart
  - Plan as graph prompt
- Category as section slider

- Conditional formatting:
  - On Hand - Days of Cover is greater than 25, the bar display is red.
  - On Hand - Days of Cover is between 25 and 4, the bar display is yellow.
    - On Hand - Days of Cover is less than 4, the bar display is green.

Revenue by Period

Revenue by Period report shows revenue by period.

The report contains the following details:
- Dimensions
  - Plan
  - Item - Category (category set 1)
  - Manufacturing Period Start
  - Organization - report filter

- Facts
  - Supply Chain Costs and Profitability - Revenue (reporting currency)
• Filters
  • Plan – Baseline and Comparison
  • Category
  • Organization
  • Period Start

New Reports in Resources

The Resources tab has the following new reports:

• Resource Utilization by Resource

• Planned Production by Organization

Resource Utilization by Resource

This report displays utilization by resource.

Note: Organization is a graph prompt and resource description is a section displayed as a slider.

The report contains the following details:

• Dimensions
  • Plan
- Organization – Organization Code (renamed to Organization)
- Resource – Resource
- Manufacturing Period Start

- Facts
  - Manufacturing Efficiency - Resource Utilization % - Total

- Filters
  - Plan – Baseline and Comparison
  - Resource Group
  - Organization
  - Period Start

- Chart Details
  - Organization as graph prompt
  - Resource as section slider

Planned Production by Organization
This report displays planned production by category by organization. The Plan is a graph prompt and organization is a section displayed as a slider.
The report contains the following details:

- Dimensions
  - Plan
  - Organization – Organization Code (renamed to Organization)
  - Item - Category (category set 1)
  - Manufacturing Period Start

- Facts
  - Manufacturing Efficiency - Production Plan

- Filters
  - Plan – Baseline and Comparison
  - Resource Group
  - Organization
  - Period Start

- Chart Details
  - Plan as graph prompt
  - Organization as section slider
New Reports in Demand and Supply

The Demand and Supply has a new Planned Purchases by Supplier report.

This report displays planned purchases by period. It is filtered to include the baseline and comparison plans. It is also filtered to include only those order types of purchase order, purchase requisition and planned order where the supplier is not null. Orders with the supplier unassigned are also filtered out.

The report contains the following details:

- Dimensions
  - Plan
  - Supplier
  - Organization – Organization Code (renamed to Organization)
- Order Type
- Manufacturing Period Start

- Facts
  - Order Details - Order Quantity

- Filters
  - Plan – Baseline and Comparison
- Resource Group
- Organization
- Period Start

- Chart Details
  - Organization as graph prompt
  - Supplier as section slider
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 Financial 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 a predefined dashboard 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.
- Financial 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 Report
• Forecast Accuracy - MAPE Report
• Projected Backlog Report
• Consensus Tracking by Category Report
• Forecast - Scenario Comparison Report
• Demand Summary Report
• Top Abs Diff - Consensus and Financial Forecast by Category Report
• Consensus Forecast Difference by Customer Report
• Consensus Forecast Difference by Category Report

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:

2. Select the Demand Review tab.

**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:

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparison Scenario</td>
<td>Select from a list of scenarios to use to compare to a baseline scenario. Multiple scenarios can be selected. This is a required field.</td>
</tr>
<tr>
<td>Baseline Scenario</td>
<td>Select from a list of scenarios to use as the baseline. Only one scenario can be selected. This is a required field.</td>
</tr>
<tr>
<td>Fiscal Year</td>
<td>Select from a list of fiscal years. Optionally, select multiple years.</td>
</tr>
<tr>
<td>Category Description (Inv_Items)</td>
<td>Select from a list of item categories. Multiple categories can be selected. This is an optional field.</td>
</tr>
<tr>
<td>Organization Code</td>
<td>Select from a list of organizations. Multiple organizations can be selected. This is an optional field.</td>
</tr>
</tbody>
</table>

**Forecast Comparison Report**

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, final 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 shipment history, consensus forecast, sales forecast, marketing forecast, and financial forecast in reporting currency.

- 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 - MAPE Report

The Forecast Accuracy - MAPE 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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>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.</td>
</tr>
</tbody>
</table>

Additional reports that you can access from the Forecast Accuracy - MAPE 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.

• Bottom – 8 week Forecast Accuracy by Customer.

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

Projected Backlog Report

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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
</table>
| 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.

Consensus Tracking by Category Report

The Consensus Tracking by Category report enables the sales and operations planning analyst to track forecast attainment by comparing bookings, with future dates, and consensus forecasts. 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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>Select how you want to view the report. Options include Chart and Table.</td>
</tr>
<tr>
<td></td>
<td>The Chart view plots attained percent against item categories. The Table view provides the values that correspond to the Chart view.</td>
</tr>
<tr>
<td>Fiscal Period Name</td>
<td>Select a fiscal period.</td>
</tr>
</tbody>
</table>

Additional reports that you can access from the Consensus Tracking by Category 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 Report**

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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measure</td>
<td>Select the measure that you would like to view. Options include: Bookings Forecast, Consensus Forecast, Final Forecast, Marketing Forecast, Sales Forecast, and Shipment Forecast.</td>
</tr>
</tbody>
</table>

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.

**Demand Summary Report**

The Demand Summary report provides key demand metrics at-a-glance in units and in reporting currency and supports plan-over-plan comparison.
Using the Sales and Operations Planning Analyst Dashboard 6-9

Operating Plan Value measure is the sum of Shipment History and Constrained Forecast in reporting currency. This measure is used to compare operating performance relative to Financial Forecast and Budget.

**Top Abs Diff - Consensus and Financial by Category**
This summary report ranks the top difference between the Consensus Forecast Value and the Financial Forecast Value by Product Category for the baseline scenario.

**Consensus Forecast Difference by Customer Report**
This summary report provides plan-over-plan comparison of the Consensus Forecast at the customer level. Diff(ERENCE) % relates the Comparison Scenario Consensus forecast with the Baseline Scenario Consensus forecast. You can access the Forecast - Scenario Comparison Trend report by selecting a value in the Diff % column from this report.

**Consensus Forecast Difference by Category Report**
This summary report provides plan-over-plan comparison of the Consensus Forecast at the product category level. Diff(ERENCE) % relates the Comparison Scenario Consensus forecast with the Baseline Scenario Consensus forecast. You can access the Forecast - Scenario Comparison Trend report by selecting a value in the Diff % column from this report.

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

- Consolidated Analysis.
- Demand Fill.
- Production Plan Comparison by Organization.
- Production Plan.
- Top - Supplier Item Utilization.
- Top Resource Utilization by Organization.
- Consolidated - Scenario Comparison.
- Supply Summary.
- Bottom Demand Fill % by Customer.
- Supply Change by Category
• Top Resource Utilization.

• Strategic Plans.

**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:


**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:

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparison Scenario</td>
<td>Select from a list of scenarios with which to compare to a baseline scenario. Multiple scenarios can be selected. This is a required field.</td>
</tr>
<tr>
<td>Baseline Scenario</td>
<td>Select from a list of scenarios to be used as the baseline. Only one scenario can be selected. This is a required field.</td>
</tr>
</tbody>
</table>
Using the Sales and Operations Planning Analyst Dashboard

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiscal Year</td>
<td>Select from a list of fiscal years. Multiple years can be selected. This is an optional field.</td>
</tr>
<tr>
<td>Organization Code</td>
<td>Select from a list of organizations. Multiple organizations can be selected. This is an optional field.</td>
</tr>
</tbody>
</table>

**Consolidated Analysis Report**

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:

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

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 Report**

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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>Select the option that you want to view. Options include:</td>
</tr>
<tr>
<td></td>
<td>• <strong>Fill Chart</strong>: Displays the percent of demand fulfillment and the percent of project demand fulfillment.</td>
</tr>
<tr>
<td></td>
<td>• <strong>Forecast Chart</strong>: Displays shipment history, consensus forecast, and constrained forecast.</td>
</tr>
<tr>
<td></td>
<td>• <strong>Table</strong>: Displays all measures over the horizon.</td>
</tr>
</tbody>
</table>

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 Shortfall by Organization – units.
• Demand Shortfall by Product Category – units.
• Top Demand Fill % by Customer.
• Top Demand Fill % by Organization.
• Top Demand Fill % by Product Category.

Production Plan Comparison by Organization Report
The Production Plan Comparison by Organization report enables the sales and operations planning analyst to compare production plans by organization between scenarios. This report provides a visual cue of relative differences when the column heights differ between scenarios and organizations.

Additional reports that you can access from this report are (in alphabetical order):
• Production to Plan by Category
• Production Plan Monthly
• Resource Utilization.

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

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

- Production to Plan by Category
- Production Plan by Organization
- Consolidated Analysis

**Top – Supplier Item Utilization Report**

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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>Select the option that you want to view. Options include</td>
</tr>
</tbody>
</table>
|       | • **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 Top – Supplier Item Utilization report are (in alphabetical order):
• Item Supplier Capacity.
• Supplier Item Capacity
• Top - Supplier Requirements
• Top n- Supplier Item Requirements

**Top Resource Utilization by Organization Report**

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

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

• Production Plan Monthly.
• Resource Utilization.

**Consolidated – Scenario Comparison Report**

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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measure</td>
<td>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.</td>
</tr>
</tbody>
</table>

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.

**Supply Summary Report**

Supply summary report provides key supply metrics at-a-glance in units and in reporting currency and supports plan-over-plan comparison. Projected Demand Fill is the future fill rate coming from supply planning.

Access to gap closure analysis is available directly from various fields of this report, as shown in the table below:

<table>
<thead>
<tr>
<th>From the Field</th>
<th>Available Reports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Demand</td>
<td>Demand Utilization – Units</td>
</tr>
<tr>
<td></td>
<td>Demand Utilization – Value</td>
</tr>
<tr>
<td>Total Supply</td>
<td>Supply Utilization – Units</td>
</tr>
<tr>
<td></td>
<td>Supply Utilization – Value</td>
</tr>
</tbody>
</table>
Constrained Forecast Value
Bookings Performance – Units
Bookings Performance – Value
Shipment Performance – Units
Shipment Performance – Value
Backlog Analysis – Units
Backlog Analysis – Value
Sales Order Analysis – Units
Sales Order Analysis – Value
Current Shipment Plan

For details about the available reports, see the chapter in this document *Using the Supply Chain Analyst Dashboard*.

**Bottom Demand Fill % by Customer Report**

Bottom Demand Fill % by Customer is a summary report that ranks the bottom fill rate by customer for the baseline scenario. This report highlights the customers that will have the biggest fulfillment issues based upon the current operating plan.

**Supply Change by Category Report**

This summary report provides plan-over-plan comparison of Total Supply at the category level. Diff(ERENCE) % relates the Comparison Total Supply with the Baseline Total Supply. You can access the Consolidated - Scenario Comparison Trend report by selecting a value in the Diff % column from this report.

**Top Resource Utilization Report**

Top Resource Utilization summary report that shows resource utilization ranked by resource (and the organization in which it resides) in order to understand which resources are most constrained for the baseline scenario.

**Strategic Plans Report**

Strategic Plans report provides contextual navigation from the selected comparison scenario(s) to the supply planning application used in the scenario(s). This assumes a supply planning application such as Strategic Network Optimization, Rapid Planning, or Advanced Supply Chain Planning is used in the scenario.
Using the Financial Review Page

This section provides an overview of the Financial Review Page. You can access the following reports from the Financial Review page:

- Financial Summary
- Operating Plan and Financial Forecast Comparison
- Top % Difference – Operating Plan and Budget by Category
- Financial Analysis
- Profit and Loss Monthly
- Margin Difference by Category
- Year over Year Financials
- Financial Forecast and Budget Comparison
- Top % Difference – Budget and Annual Plan by Organization
- Top Revenue
- Cost by Organization
- Bottom Margin
- Profitability KPI
- Cost Breakdown KPI

Understanding the Financial Review Page

The Financial Review page supports an integrated reconciliation of demand and supply plans in terms of revenue, cost, and gross margin. It also indicates how operational plans are performing relative to financial forecasts. Questions you can answer through these reports may include:

- Are we on plan?
- What are the changes when compared to the last fiscal quarter or month?
- Has profitability changed? If so, how, why, and where has it changed?
Page Level Filters

Page Level filters at the top of the Financial Review page allow you to filter your results by various criteria. The page level filters for the Financial Review page are the same as those for the Demand Review page. For details, refer to the section about the Demand Review Page in this document.

Financial Summary Report

The Financial Summary report provides summary information about:

- Shipments Year Ago
- Shipment History Value
- Consensus Forecast Value
- Constrained Forecast Value
- Operating Plan - Value
- Financial Forecast Value
- Budget
- Annual Plan Value
- Inventory History - Value
- Actual Backlog - Value (reporting currency)
- Total Excess (value)
- Total Obsolescence (value)

All information is given in reporting currency.

Navigations are available from all report measures. For example, To view the Shipments Year Ago, you can filter to see the Top Abs Diff - Shipments versus Year Ago by Category Summary, Organization Summary, or Customer Summary, as well as Shipment History Trend.

To view Total Excess Value detail, select:

- Excess Value by Category.
- Excess Value by Organization.

To view Total Obsolescence Value detail, select:
- Obsolescence Value by Category.
- Obsolescence Value by Organization.

**Operating Plan and Financial Forecast Comparison Report**

This report compares Operating Plan Value and Financial Forecast Value measures on a fiscal quarterly basis. It reports:
- Operating Plan Value in reporting currency
- Financial Forecast Value in reporting currency
- The calculated difference between these measures.
- The calculated difference between these measures as a percentage.

Navigations are available from this report to view information at greater detail by category or by organization.

**Top % Difference – Operating Plan and Budget by Category Report**

The Top % Difference – Operating Plan and Budget by Category report provides a comparison between your operating plan and your budget. It reports:
- Operating Plan value in reporting currency
- Budget in reporting currency
- The calculated difference between the operating plan and budget.
- The calculated difference between the operating plan and budget as a percentage.

Navigations are available from this report to view category level information by organization. You can also navigate to a financial trend report using the category as a filter.

**Financial Analysis Report**

The Financial Analysis report is similar to the Budget Analysis report in the Executive review page. This trend report compares the operating plan with financial forecast measures.

The Financial Analysis report provides information in a chart or table format.

The chart view provides navigations, such as the following:
- Top Abs Diff (Currency) – Operating Plan and Financial Forecast by Category
• Top Abs % Diff (Currency) – Operating Plan and Financial Forecast by Category
• Top Abs % Diff (Currency) – Operating Plan and Financial Forecast by Category
• Top Abs Diff (Currency) – Operating Plan and Financial Forecast by Organization
• Top Abs % Diff (Currency) – Operating Plan and Financial Forecast by Organization
• Top Abs Diff (Currency) – Operating Plan and Financial Forecast by Customer
• Top Abs % Diff (Currency) – Operating Plan and Financial Forecast by Customer

The table view provides the following navigations from the Financial Forecast Value:
• Top Abs Diff (Currency) – Budget and Financial Forecast by Category
• Top Abs % Diff (Currency) – Budget and Financial Forecast by Category
• Top Abs Diff (Currency) – Budget and Financial Forecast by Organization
• Top Abs % Diff (Currency) – Budget and Financial Forecast by Organization

The table view provides the following navigations from the Budget column:
• Top Abs Diff (Currency) – Annual Plan and Budget by Category
• Top Abs % Diff (Currency) – Annual Plan and Budget by Category
• Top Abs Diff (Currency) – Annual Plan and Budget by Organization
• Top Abs % Diff (Currency) – Annual Plan and Budget by Organization

**Profit & Loss Monthly Report**

The Profit & Loss report on the financial tab is similar to the Profit & Loss Statement in the Executive Review. The difference is that the financial tab Profit & Loss report highlights fiscal periods rather than fiscal quarters.

The Report can be viewed as a chart or a table. The chart view provides the following navigations:
• The Report can be viewed as a chart or a table. The chart view
• Top Revenue by Customer
• Cost by Category
• Margin by Category
• Margin % by Category
• Cost by Organization
• Margin by Organization
• Cost by Type

The Profit & Loss table view provides the following information:

**Revenue column:**
• Revenue by Category
• Revenue by Organization

**Total Supply Chain Costs**
• Cost by Organization
• Cost by Category
• Cost by Type

**Gross Margin Column**
• Margin by Organization
• Margin by Category

**Margin Difference by Category Report**

The Margin Difference by Category report compares Gross Margin between scenarios at the product category level.

When you navigate from the Diff% column in this report to the Margin Scenario Comparison Trend report you see all the comparison scenarios for the selected category. The Diff % column in this report also provides you with navigation to the Revenue Scenario Comparison Trend report and displays all comparison scenarios for the selected category.

**Year-Over-Year Financials Report**

The Year-Over-Year Financial Report compares financial measures by fiscal year. That is, the "Trend" calculated measures identify the percent change between fiscal years.

When you select the fiscal year in the column heading, the result is a hierarchical time drilldown on the selected year to reveal the percent change between fiscal quarters. The report displays fiscal years for both historical and forecast horizons. That is, it displays the preceding year, the current year, and the next year.
Navigations are available to the Year-Over-Year Financials by Organization and Year-Over-Year Financials by Category reports.

**Note:** The financial measure Operating Plan is associated with the baseline scenario therefore, the report title includes the baseline scenario name.

---

**Financial Forecast and Budget Comparison Report**

This report compares Financial Forecast and Budget by fiscal quarter. The information in this report includes:

- Financial Forecast Value (in reporting currency)
- Budget (in reporting currency)
- Difference
- Difference %

Navigations are available from the chart and the table columns Difference and Difference % to view information at greater detail by category or by organization.

---

**Top % Difference – Budget and Annual Plan by Organization Report**

The Top % Difference – Budget and Annual Plan by Organization report provides a comparison between your Budget and Annual Plan at the organization level. It reports:

- Budget in reporting currency
- Annual Plan Value in reporting currency
- The calculated difference between the Annual Plan and Budget
- The difference between the Annual Plan and Budget as a percentage

Navigations are available from this report to view organization level information detailed by product category. You can also navigate to a financial trend report using the organization as a filter.

---

**Top Revenue Report**

This report contains revenue information. You can choose the dimension by which you want rank the report data. In the Dimension field at the top of your screen, choose one of:

- (Customer) Zone
The Top Revenue Report contains the following navigations:

- Top Revenue by Category
- Top Revenue by Organization
- Top Revenue by Customer
- Top Revenue by Customer Zone
- Profit and Loss Statement by Fiscal Period

For example, if you want to pivot from Top Revenue dimensioned by Zone to customer rankings in a specific zone then you can use the Top Revenue by Customer navigation report. You can navigate further to discover category revenue rankings for a specific customer in that zone by selecting the Top Revenue by Category report.

**Cost by Organization**

The Cost by Organization report provides the allocation of total supply chain costs by organization. This report includes revenue and margin information by organization in the table view. There are navigations to cost by category and cost by type reports while passing organizational context.

**Bottom Margin Report**

This report ranks gross margin from worst to best. You can choose the dimension by which you want to rank the report data. In the Dimension field at the top of your screen, choose one of:

- Category
- Organization
- (Customer) Zone
- Customer

This report provides the following navigations:

- Bottom Margin by Category
- Bottom Margin by Organization
Using the Sales and Operations Planning Analyst Dashboard

- Bottom Margin by Customer
- Bottom Margin by Customer Zone
- Top Margin by Category
- Top Margin by Organization
- Top Margin by Customer
- Top Margin by Customer Zone
- Profit and Loss Statement by Fiscal Period

For example, if you want to pivot from the Bottom Margin report dimensioned by Zone to top customer rankings in a specific zone then you can use the Top Margin by Customer navigation report.

**Profitability KPI and Cost Breakdown KPI Reports**

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.

Both these reports are identical to those found in the Executive Review. For more information about either report, please refer to the Executive Review section of this document.

**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.
- Budget Analysis.
- Key Performance Indicators.
- Executive Summary
- Top Difference - Operating Plan and Financial Forecast by Category
- Profitability KPI
• Cost Breakdown KPI

• Consensus Forecast Difference by Customer

**Note:** The Consensus Forecast Difference by Customer report is the same one that appears in the Demand Review tab. For more information on this report, refer to the Demand Review section of this document.

### 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:

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:

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparison Scenario</td>
<td>Select from a list of scenarios by which to compare to a baseline scenario. Multiple scenarios can be selected. This is a required field.</td>
</tr>
<tr>
<td>Baseline Scenario</td>
<td>Select from a list of scenarios to be used as the baseline. Only one scenario can be selected. This is a required field.</td>
</tr>
</tbody>
</table>
**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 6-11

**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 for which 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:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>Select the option that you want to view. Options include:</td>
</tr>
<tr>
<td></td>
<td>• <strong>Profit &amp; Loss Chart</strong>: Displays revenue, costs, and margin as a bar chart with margin percent as a line chart over fiscal quarters.</td>
</tr>
<tr>
<td></td>
<td>• <strong>Profit &amp; Loss Table</strong>: Displays all measures over the time period.</td>
</tr>
</tbody>
</table>

Additional reports that you can access 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 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:

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

**Budget Analysis**

The Financial Forecast 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

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>View</td>
<td>Select how you want to view the report. Options include <strong>Chart</strong> and <strong>Table</strong>. The chart view plots the consensus forecast, operating plan, budget and financial forecast over fiscal periods. The table view provides the values that correspond to the Chart view and also cumulative values for operating plan and financial forecast.</td>
</tr>
</tbody>
</table>

Additional reports that you can access from this report include (in alphabetical order):

- Top Abs Diff (Currency) - Operating Plan and Financial Forecast by Customer
- Top Abs Diff (Currency) - Operating Plan and Financial Forecast by Organization
- Top Abs Diff (Currency) - Operating Plan and Financial Forecast by Customer
- Top Abs % Diff (Currency) - Operating Plan and Financial Forecast by Category
- Top Abs % Diff (Currency) - Operating Plan and Financial Forecast by Organization
- Top Abs % Diff (Currency) - Operating Plan and Financial Forecast by Customer

### 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.
- Bottom – Perfect Order Index 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.

**Executive Summary**

Executive Summary is a summary report that provides key metrics at-a-glance for busy executives and supports plan-over-plan comparison.

Operating Plan measure is the sum of Shipment History and Constrained Forecast in reporting currency. This measure is used to compare operating performance relative to Budget. Projected Demand Fill is the future fill rate coming from supply planning.

**Top Difference - Operating Plan and Financial Forecast by Category**

Top Difference - Operating Plan and Financial Forecast by Category is a summary report that ranks the top difference between the Operating Plan and the Financial Forecast by Product Category for the baseline scenario. Operating Plan measure is the sum of Shipment History and Constrained Forecast in reporting currency. This measure is used to compare operating performance relative to updated financial target.

**Consensus Forecast Difference by Customer**

Consensus Forecast Difference by Customer is a summary report that provides plan-over-plan comparison of the Consensus Forecast at the customer level. Difference % relates the Comparison Scenario Consensus forecast with the Baseline Scenario Consensus forecast.

**Profitability KPI**

Profitability KPI provides plan-over-plan comparison of profitability measures such as Revenue, Cost, Margin, and Margin %.

**Cost Breakdown KPI**

Cost Breakdown KPI is a summary report that provides plan-over-plan comparison of cost type measures including Purchasing Cost, Transportation Cost, Carrying Cost and Manufacturing Cost. Total (Supply Chain) Cost is the sum of manufacturing, purchasing, transportation and carrying costs in reporting currency.
Sales and Operations Planning Analyst Secondary Drill-Down Reports

Primary reports are located on the main pages in the Sales and Operations Planning Analyst Dashboard: Demand Review, Supply Review, Financial 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:

<table>
<thead>
<tr>
<th>Report Name</th>
<th>Measures or Facts</th>
<th>Dimension or View by</th>
</tr>
</thead>
<tbody>
<tr>
<td>Actual Backlog Distribution by:</td>
<td>Actual Back</td>
<td>Operating Unit</td>
</tr>
<tr>
<td>• Operating Unit</td>
<td></td>
<td>Organization</td>
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<tr>
<td>• Organization</td>
<td></td>
<td>Product Category</td>
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<tr>
<td>• Product Category</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bottom – 8 week Forecast Accuracy by:</td>
<td>Consensus forecast accuracy – MAPE – 8 week</td>
<td>Item</td>
</tr>
<tr>
<td>• Item</td>
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<td>Organization</td>
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<tr>
<td>• Organization</td>
<td></td>
<td>Product Category</td>
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<tr>
<td>• Customer Product Category</td>
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</tr>
<tr>
<td>Bottom Attained % by:</td>
<td>Booking history, consensus forecast</td>
<td>Customer</td>
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<tr>
<td>Customer</td>
<td></td>
<td>Item</td>
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<td>Item</td>
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<td>Product Category</td>
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<td>Product Category</td>
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<tr>
<td>Report Name</td>
<td>Measures or Facts</td>
<td>Dimension or View by</td>
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<td>-----------------------------</td>
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<td>----------------------</td>
</tr>
<tr>
<td>Bottom – Demand Fill % by:</td>
<td>Consensus forecast, shipment history,</td>
<td>Customer</td>
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<tr>
<td>Customer</td>
<td>constrained forecast</td>
<td>Item</td>
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<td>Item</td>
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<td>Organization</td>
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<td>Organization</td>
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<td>Product Category</td>
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<td>Product Category</td>
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<tr>
<td>Bottom - Inventory Turns by:</td>
<td>Inventory Turns</td>
<td>Item</td>
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<tr>
<td>Item</td>
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<td>Organization</td>
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<tr>
<td>Item – ABC class</td>
<td></td>
<td>Product Category</td>
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<td>Organization</td>
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<tr>
<td>Product Category</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bottom – Perfect Order Index</td>
<td>Perfect order index</td>
<td>Item</td>
</tr>
<tr>
<td>by:</td>
<td></td>
<td>Organization</td>
</tr>
<tr>
<td>Item</td>
<td></td>
<td>Product Category</td>
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<td>Organization</td>
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<tr>
<td>Product Category</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bottom – Production to Plan</td>
<td>Production history, production plan,</td>
<td>Item</td>
</tr>
<tr>
<td>by:</td>
<td>production to plan</td>
<td>Product Category</td>
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<tr>
<td>Item</td>
<td></td>
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<tr>
<td>Product Category</td>
<td></td>
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<tr>
<td>Bottom – Shipments to Plan</td>
<td>Shipments to plan</td>
<td>Item</td>
</tr>
<tr>
<td>by:</td>
<td></td>
<td>Organization</td>
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<tr>
<td>Item</td>
<td></td>
<td>Product Category</td>
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<td>Organization</td>
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<td>Product Category</td>
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<td></td>
</tr>
<tr>
<td>Report Name</td>
<td>Measures or Facts</td>
<td>Dimension or View by</td>
</tr>
<tr>
<td>-----------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>Consolidated Analysis by Fiscal Period</td>
<td>Projected available balance (PAB) – units, safety stock, total supply, total demand, PAB – days of cover, inventory turns, PAB – value (reporting currency)</td>
<td>Baseline scenario</td>
</tr>
<tr>
<td>Consolidated Analysis – Unit Breakdown by Organization</td>
<td>PAB – units</td>
<td>Organization</td>
</tr>
<tr>
<td>Cost by Organization</td>
<td>Cost</td>
<td>Organization</td>
</tr>
<tr>
<td>Cost by Type</td>
<td>Cost</td>
<td>Product Category, Organization</td>
</tr>
<tr>
<td>Demand Fill by Fiscal Period</td>
<td>Consensus forecast, shipment history, constrained forecast</td>
<td>Baseline scenario, Comparison scenario</td>
</tr>
<tr>
<td>Demand Shortfall by:</td>
<td>Unmet demand – units (forecast)</td>
<td>Organization, Product Category</td>
</tr>
<tr>
<td>Organization – units</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Product Category – units</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Forecast Accuracy by Fiscal Period</td>
<td>Consensus Forecast accuracy - MAPE - 4 week, Consensus Forecast accuracy - MAPE - 8 week, Consensus Forecast accuracy - MAPE - 13 week</td>
<td>Baseline scenario</td>
</tr>
<tr>
<td>Forecast Comparison</td>
<td>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)</td>
<td>Baseline scenario</td>
</tr>
<tr>
<td>Report Name</td>
<td>Measures or Facts</td>
<td>Dimension or View by</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>-----------------------------------------------------------------------------------</td>
<td>----------------------</td>
</tr>
<tr>
<td>Forecast Distribution by:</td>
<td>Consensus forecast, consensus forecast – value (reporting currency), consensus forecast - cumulative</td>
<td>Item</td>
</tr>
<tr>
<td>Item</td>
<td></td>
<td>Operating Unit</td>
</tr>
<tr>
<td>Operating Unit</td>
<td></td>
<td>Organization</td>
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<tr>
<td>Organization</td>
<td></td>
<td>Product Category</td>
</tr>
<tr>
<td>Product Category</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Inventory Turns by ABC Class</td>
<td>Inventory Turns</td>
<td>Product Category</td>
</tr>
<tr>
<td>Inventory Value – Distribution by Organization</td>
<td>Projected available balance – value (reporting currency)</td>
<td>Organization</td>
</tr>
<tr>
<td>Item Supplier Capacity</td>
<td>Required supplier capacity, available supplier capacity (table only), net available cumulative capacity, supplier utilization percent</td>
<td>Supplier</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Supplier site</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Item</td>
</tr>
<tr>
<td>Margin by Organization</td>
<td>Margin</td>
<td>Organization</td>
</tr>
<tr>
<td>Perfect Order Index by Product Category</td>
<td>Perfect Order Inde</td>
<td>Product Category</td>
</tr>
<tr>
<td>Production Plan by Fiscal Period</td>
<td>Production history, production plan, production to plan</td>
<td>Baseline scenario</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Comparison scenario</td>
</tr>
<tr>
<td>Profit and Loss Statement by Fiscal Period</td>
<td>Revenue, cost, margin, margin percent</td>
<td>Period</td>
</tr>
<tr>
<td>Projected Backlog Distribution by:</td>
<td>Projected Backlog</td>
<td>Operating Unit</td>
</tr>
<tr>
<td>Operating Unit</td>
<td></td>
<td>Organization</td>
</tr>
<tr>
<td>Organization</td>
<td></td>
<td>Product Category</td>
</tr>
<tr>
<td>Product Category</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Report Name</td>
<td>Measures or Facts</td>
<td>Dimension or View by</td>
</tr>
<tr>
<td>--------------------------------------------------</td>
<td>-----------------------------------------------------------------------------------</td>
<td>---------------------------------------------</td>
</tr>
<tr>
<td>Resource Utilization</td>
<td>Required capacity, available capacity, net available capacity, resource utilization percent</td>
<td>Resource and Organization</td>
</tr>
<tr>
<td>Revenue by Organization</td>
<td>Revenue</td>
<td>Organization</td>
</tr>
<tr>
<td>Safety Stock – Distribution by Organization</td>
<td>Safety Stock</td>
<td>Organization</td>
</tr>
<tr>
<td>Supplier Item Capacity</td>
<td>Required supplier capacity, available supplier capacity (table only), net available cumulative capacity, supplier utilization percent</td>
<td>Supplier Supplier site Item</td>
</tr>
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<td>Top Absolute Difference – Consensus and Constrained by:</td>
<td>Absolute difference = consensus forecast – constrained forecast</td>
<td>Customer Item Organization Product Category</td>
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<tr>
<td>Top Absolute Difference – Consensus and Marketing by:</td>
<td>Absolute difference = consensus forecast – marketing forecast</td>
<td>Organization Product Category</td>
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<tr>
<td>Top Absolute Difference – Consensus and Sales by:</td>
<td>Absolute difference = consensus forecast – sales forecast</td>
<td>Customer Item Organization Product Category</td>
</tr>
</tbody>
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6-36  Oracle Advanced Planning Command Center User's Guide
<table>
<thead>
<tr>
<th>Report Name</th>
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<th>Dimension or View by</th>
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<tbody>
<tr>
<td>Top Absolute Difference (Currency) – Consensus and Budget by:</td>
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<td>Top Absolute % (percent) Difference – Consensus and Constrained by:</td>
<td>Absolute percent difference = (\frac{\text{consensus forecast} - \text{constrained forecast}}{\text{consensus forecast}} \times 100)</td>
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<td>Top Absolute % Difference (Currency) – Constrained and Budget by:</td>
<td>Absolute percent difference = ( \frac{(\text{constrained forecast} - \text{value (reporting currency) - budget (reporting currency)})}{\text{constrained forecast} - \text{value (reporting currency)}} \times 100 )</td>
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<td>Top Actual Backlog by:</td>
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<td>Top Attained % by:</td>
<td>Booking history, consensus forecast</td>
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<tr>
<td>Top Budget Shortfall by Product Category</td>
<td>Constrained forecast cumulative value, budget cumulative value</td>
<td>Product Category</td>
</tr>
<tr>
<td>Top – Days of Cover by Item</td>
<td>PAB – days of cover</td>
<td>Item</td>
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<tr>
<td>Top Demand Fill % by:</td>
<td>Consensus forecast, shipment history, constrained forecast</td>
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<tr>
<td>Top Demand Shortfall by item</td>
<td>Unmet demand – units (forecast)</td>
<td>Item</td>
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<td>Top – Inventory Turns by:</td>
<td>Inventory Turns</td>
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<td>Top Inventory Value by:</td>
<td>Projected available balance (PAB) – value (reporting currency)</td>
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<tr>
<td>Top - Production to Plan by:</td>
<td>Production history, production plan, production to plan</td>
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<td>Product Category</td>
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<td>Top Projected Backlog by:</td>
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<td>Top – Resource Utilization</td>
<td>Required capacity, available capacity, net available capacity, resource utilization percent</td>
<td>Baseline scenario</td>
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<td>Resource</td>
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<td>Organization</td>
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<tr>
<td>Top – Resource Utilization by</td>
<td>Required capacity, available capacity, net available capacity, resource utilization percent</td>
<td>Organization</td>
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<tr>
<td>Top Safety Stock by Item</td>
<td>Safety Stock</td>
<td>Item</td>
</tr>
<tr>
<td>Total Resource Utilization by</td>
<td>Required capacity (table only), available capacity (table only), net available capacity, resource utilization percent</td>
<td>Organization</td>
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<tr>
<td>Top Unit Volume by:</td>
<td>Consensus forecast, consensus forecast – value (reporting currency), consensus forecast - cumulative</td>
<td>Customer</td>
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**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.
Using the Supply Chain Risk Management Dashboard

This chapter covers the following topics:

- Understanding the Supply Chain Risk Management Dashboard
- Using the Executive Review Page
- Understanding the Executive Review Page
- Profit Comparison
- Cost Analysis
- Revenue by Fiscal Period
- Margin by Fiscal Period
- Supply Demand KPI
- Inventory KPI
- Utilization KPI
- Strategic Plans
- Inventory Optimization Plans
- Using the Inventory Analysis Page
- Using the Supply Chain Sourcing Page
- Supply Chain Risk Management Secondary Drill-Down Reports

Understanding the Supply Chain Risk Management Dashboard

Due to the dynamic nature of the global business environment, companies are searching for ways to improve their supply chains in order to absorb disruptions that occur unexpectedly. While providing other substantial benefits, Just-in-time, and Lean Manufacturing initiatives have hindered many business’s ability to absorb the impact of
unexpected events. Slack in the supply chain - usually in the form of inventory - is no longer available and a sudden change, such as a missed supply, can have an immediate impact on a company’s operations.

We can all think of sensational events that have a major impact on business operations but a missed supplier shipment of a critical component can also impact operations. Plant strikes, a demand spike, and quality issues are other examples of events that can halt your supply chain. The business reality of today requires companies to manage risks.

Managing risk in your supply chain is a cyclical process involving risk identification, risk mitigation, and execution of your mitigation strategies. The Supply Chain Risk Management (SCRM) dashboard focuses on evaluating risk mitigation strategies.

SCRM analysis of various Risk Mitigation strategies can be scenario intensive where different options can be effectively evaluated. The Supply Chain Risk Analytics application provides the ability to collectively review and compare key metrics in a single interface providing true Enterprise Planning capabilities to the SCRM dashboard.

The table below, while not comprehensive, highlights some of the problems and questions that can be addressed with the SCRM dashboard.

<table>
<thead>
<tr>
<th>Business Problem</th>
<th>What is the Risk?</th>
<th>Where is the Risk?</th>
<th>How do I mitigate the Risk?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sudden demand change increase based on the updated consensus forecast</td>
<td>• Lower profitability and margins due to increased costs for expediting, overtime</td>
<td>• Transportation: Increase in costs due to expediting and overseas shipments</td>
<td>Subcontract additional manufacturing capabilities</td>
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<tr>
<td></td>
<td>• Impact to customer service due to inability to meet demand</td>
<td>• Manufacturing: Increased costs due to overtime</td>
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<td>• Customers: Which customers are affected?</td>
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<tr>
<td></td>
<td></td>
<td>• Products: Which product lines are impacted?</td>
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<tr>
<td>Event Description</td>
<td>Impacts</td>
<td>Actions</td>
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<td>------------------------------------------------------------------------</td>
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<tr>
<td>Natural disaster resulting in supply chain disruption</td>
<td>• Lower revenue due to inability to meet demand&lt;br&gt;• Inability to meet demand.&lt;br&gt;• Margin impact due to increased costs for overtime and expediting</td>
<td>Design of resilient supply chains by considering multiple sourcing options.</td>
<td></td>
</tr>
<tr>
<td>New product launch by competitor</td>
<td>• Lower revenue due to lost market share&lt;br&gt;• Increased inventories due to lower demand</td>
<td>Demand shaping with promotion, lower price, or introduce competing product</td>
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</tr>
<tr>
<td>Unexpected loss in capacity due to plant shutdown, labor strike, or resource issue</td>
<td>• Lower revenue due to inability to meet demand&lt;br&gt;• Inability to meet demand.&lt;br&gt;• Margin impact due to increased costs for overtime and expediting</td>
<td>Contract excess capacity&lt;br&gt;Build in additional lines</td>
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<td>Unexpected disruption in supply due to decommit, quality, or other factors</td>
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<td>• Impact to customer service due to inability to meet demand</td>
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<tr>
<td>• Lower profitability due to lower revenue and higher costs</td>
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<td>• Supply: Higher costs due to premium supplies</td>
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<tr>
<td>• Transportation: Increased costs due to expediting</td>
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<tr>
<td>• Manufacturing: Higher manufacturing costs due to overtime for late supplies</td>
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<tr>
<td>• Customers: Which customers are affected?</td>
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<tr>
<th>Timing of new product launch</th>
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<tr>
<td>• Too early results in E&amp;O</td>
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<tr>
<td>• Too late results in loss of market share</td>
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<tr>
<td>• Risk in margins, revenue</td>
</tr>
<tr>
<td>• Inventory: Where is my inventory exposure if I launch early</td>
</tr>
<tr>
<td>• Customers: Which customer regions are affected?</td>
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</table>

<table>
<thead>
<tr>
<th>Product timing balancing E&amp;O with revenue/margins</th>
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<tr>
<td>• Dual/multi sourcing</td>
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<tr>
<td>• Component substitution</td>
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</table>
Exposure based on probably demand ranges. For example: baseline, optimistic, pessimistic forecasts

- Impact to margins if low/high forecast is met
- Impact to customer service if high range is met
- Inventory: What is my inventory exposure if pessimistic forecast is met
- Inventory: What are my shortages if my optimistic forecast is met
- Manufacturing: What is the effect on manufacturing for the pessimistic/optimistic forecast
- Transportation: Increase costs due to expediting
- Customer: What customers are affected?
- Renegotiate supplier contracts to accommodate flex ranges
- Contract additional manufacturing capacity for potential upside demand

The report pages leverage the flexibility of the Oracle Business Intelligence – Enterprise Edition (OBIEE), 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 Risk Management 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 risk analyst:

- Executive Review.
- Inventory Analysis.
- Supply Chain Sourcing.
- Glossary.

The Glossary page provides:

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

Using the Executive Review Page

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

• Profit Comparison.
• Cost Analysis.
• Revenue by Fiscal Period.
• Margin by Fiscal Period.
• Supply Demand KPI.
• Inventory KPI.
• Utilization KPI.
• Strategic Plans.
• Inventory Optimization Plans.

Understanding the Executive Review Page

The Executive Review page allows the risk analyst to quickly and efficiently evaluate the different scenarios across different metrics and KPI's. The goal is to understand the trade-offs of choosing one scenario over another so that compromises and risks are understood. For example, lower margins might be an acceptable trade-off compared for improved customer service or improved supply chain resiliency.

To access the Executive Review page:

1. Select the Supply Chain Risk Analyst responsibility.
2. Select Supply Chain Risk Management 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:
Using the Supply Chain Risk Management Dashboard

Filter Description

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>Comparison Scenario</td>
<td>Select from a list of scenarios by which to compare to a baseline scenario. This is a required field.</td>
</tr>
<tr>
<td>Baseline Scenario</td>
<td>Select from a list of scenarios to be used as the baseline. Only one scenario can be selected. This is a required field.</td>
</tr>
<tr>
<td>Fiscal Year</td>
<td>Select from a list of fiscal years. Multiple years can be selected. This is an optional field.</td>
</tr>
<tr>
<td>Category</td>
<td>Select from a list of item categories. Only one category can be selected. This is an optional field.</td>
</tr>
</tbody>
</table>

Profit Comparison

This report shows Total Revenue, Total Cost, Gross Margin, Revenue and Margin Difference across the baseline and comparison scenarios. Values displayed are calculated as follows:

- Total Revenue from expected sales is equal to the sum of (Independent demand quantity * (list price - discount)).
- Total (Supply Chain) Cost is the sum of manufacturing, purchasing, transportation, fixed cost, startup & shutdown, and carrying costs in reporting currency.
- Gross Margin is the difference between Total Revenue and Total Cost.

The difference values are the difference between the comparison scenarios and the baseline scenario.

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

- Margin by Fiscal Period.
- Margin by Organization.
- Revenue by Customer.
- Revenue by Fulfillment Organization.
• Revenue by Organization.
• Supply Value by Category.
• Supply Value by Item.
• Supply Value by Source Organization.

Cost Analysis

This report provides an overall cost breakdown of the different cost types across scenarios and can be used to quickly identify the cost drivers for a given scenario. Total Cost Difference provides a quick summary of the cost difference between the comparison and baseline scenarios and drill-downs from this column provides additional cost differences by type.

Fixed costs, Shutdown and Startup Costs are costs that can be modeled in Oracle Strategic Network Optimization (SNO) for network design and analysis.

Fixed costs are period-specific fixed operating costs for an organization. Startup costs is the cost for starting up a facility, and shutdown cost is the cost of shutting down a facility and can often be a benefit due to the sale of the organization assets. If this value is negative, it represents a net inflow (benefit) of capital.

The View option above the chart allows you to display the report information by Cost Breakdown or Total Cost.

Additional reports that you can access from the Cost Analysis report are (in alphabetical order):
• Carrying Cost by Category.
• Carrying Cost by Fiscal Period.
• Carrying Cost by Item.
• Carrying Cost by Organization.
• Cost by Resource.
• Fixed Cost by Organization.
• Fixed Cost by Period.
• Manufacturing Cost by Fiscal Period.
• Manufacturing Cost by Organization.
• Purchasing Cost by Category.
• Purchasing Cost by Fiscal Period.
• Purchasing Cost by Item.
• Purchasing Cost by Organization.
• Purchasing Cost by Supplier.
• Shutdown/Startup Cost by Period.
• Startup/Shutdown Cost by Organization.
• Transportation Cost by Fiscal Period.
• Transportation Cost by Lane.
• Transportation Cost by Ship Method.

Revenue by Fiscal Period

This report shows revenue over time across the baseline and comparison scenarios and is useful for highlighting revenue risk across scenarios such as significant revenue fluctuations which may have a material impact on the business.

The View option above the chart allows you to display report information in a Revenue Chart or Revenue Table.

Additional reports that you can access from the Revenue by Fiscal Period report are (in alphabetical order):

• Revenue by Category.

• Revenue by Customer.

• Revenue by Item.

• Revenue by Organization.

Margin by Fiscal Period

This report shows margin over time across the baseline and comparison scenarios and is useful for highlighting profitability risk when modeling risk events in the various scenarios.

The View option allows you to display the report in a margin chart or margin table.

Additional reports that you can access from the Margin by Fiscal Period report are (in alphabetical order):
• Margin by Organization.

Supply Demand KPI

This is a summary of the key supply and demand Key Performance Indicators across scenarios.

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

• Consensus Forecast by Fiscal Period.
• Constrained Forecast by Fiscal Period.
• Total Demand by Category.
• Total Demand by Customer.
• Total Demand by Fiscal Period.
• Total Demand by Item.
• Total Supply by Category.
• Total Supply by Fiscal Period.
• Total Supply by Item.
• Unmet Revenue by Category.
• Unmet Revenue by Customer.
• Unmet Revenue by Fiscal Period.
• Unmet Revenue by Item.

Inventory KPI

Key inventory KPI values appear in this report and are useful when leveraging Inventory Optimization (IO) to define optimal safety stock policies in concert with network design Decisions in Strategic Network Optimization (SNO).

Utilization KPI

This report provides a high level summary of resource and supplier utilization. Supplier utilization is relevant if supplier capacities are constrained.
Additional reports that you can access from the Utilization KPI report are (in alphabetical order):

- Resource Utilization by Fiscal Period.
- Resource Utilization by Organization.
- Resource Utilization by Resource.
- Supplier Utilization by Fiscal Period.
- Top Supplier Item Utilization.

**Strategic Plans**

This report displays Strategic Network Optimization (SNO) plans based on the selected Baseline and Comparison scenarios. The plan names represent links that allow you to access the SNO workbench to view the plan for further analysis. When opening the SNO plan, only the base model is loaded and not the specific scenario.

**Inventory Optimization Plans**

This report displays Inventory Optimization (IO) plans for the selected scenarios. The plan names represent links that allow you to access the IO Analysis workbench to view the plan for further analysis.

**Using the Inventory Analysis Page**

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

- Cost Analysis.
- Network and Inventory Summary.
- Postponement Analysis.
- Excess and Obsolescence.
- Safety Stock Scenario Analysis.
- Inventory Analysis.
- Service Level Scenario Comparison.
- Unmet Revenue Analysis.
Understanding the Inventory Analysis Page

In most cases risk in the supply chain manifests itself as inventory. For this reason, a dedicated page for inventory analysis will be provided to allow for inventory comparisons across scenarios. This page can be used to analyze the risk of different network design alternatives in your supply chain taking into consideration the impacts of variability and its affect on inventory. Postponement strategies can also be evaluated for different network design scenarios, providing a measure of risk that can be evaluated. This page can help answer questions such as:

- What is the appropriate number and location of distribution facilities?
- What postponement strategies should be employed, and where?
- In what form should inventory be held to protect against uncertainty?
- How could I react to a disruption in supply due to unforeseen events?
- What is the impact of mergers and acquisitions on my supply network?

To access the Inventory Analysis page:
1. Select the Supply Chain Risk Analyst responsibility.
2. Select Supply Chain Risk Management Dashboard.
3. Select the Inventory Analysis tab.

Page-Level Filters

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

The table below lists the page-level filters for the Inventory Analysis page.

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Comparison Scenario</td>
<td>Select from a list of scenarios by which to compare to a baseline scenario. This is a required field.</td>
</tr>
<tr>
<td>Baseline Scenario</td>
<td>Select from a list of scenarios to be used as the baseline. Only one scenario can be selected. This is a required field.</td>
</tr>
</tbody>
</table>
Using the Supply Chain Risk Management Dashboard

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fiscal Year</td>
<td>Select from a list of fiscal years. Multiple years can be selected. This is an optional field.</td>
</tr>
<tr>
<td>Category</td>
<td>Select from a list of item categories. Only one category can be selected. This is an optional field.</td>
</tr>
</tbody>
</table>

Cost Analysis

This report provides an overall cost breakdown of the different cost types across scenarios and can be used to quickly identify the cost drivers for a given scenario. Total Cost Difference provides a quick summary of the cost difference between the comparison and baseline scenarios and drill-downs from this column provides additional cost differences by type.

Fixed costs, Shutdown and Startup Costs are costs that can be modeled in Oracle Strategic Network Optimization (SNO) for network design and analysis.

Fixed costs are period-specific fixed operating costs for an organization. Startup costs is the cost for starting up a facility, and shutdown cost is the cost of shutting down a facility and can often be a benefit due to the sale of the organization assets. If this value is negative, it represents a net inflow (benefit) of capital.

The View option above the chart allows you to display the report information by Cost Breakdown or Total Cost.

Additional reports that you can access from the Cost Analysis report are (in alphabetical order):
- Carrying Cost by Category.
- Carrying Cost by Fiscal Period.
- Carrying Cost by Item.
- Carrying Cost by Organization.
- Cost by Resource.
- Fixed Cost by Organization.
- Fixed Cost by Period.
- Manufacturing Cost by Fiscal Period.
• Manufacturing Cost by Organization.
• Purchasing Cost by Category.
• Purchasing Cost by Fiscal Period.
• Purchasing Cost by Item.
• Purchasing Cost by Organization.
• Purchasing Cost by Supplier.
• Shutdown/Startup Cost by Period.
• Startup/Shutdown Cost by Organization.
• Transportation Cost by Fiscal Period
• Transportation Cost by Lane.
• Transportation Cost by Ship Method.

**Network and Inventory Summary**

This report provides a summary of network and inventory Key Performance Indicators and is useful when holistically designing your supply chain network taking into account the number and location of facilities in conjunction with the impacts to your inventory policies. The intent is to analyze scenarios where Strategic Network Optimization and Inventory Optimization are used in concert.

The number of items Single Sourced is a useful risk metric that reports on the number of items that have only one source for a given organization. A higher number indicates an increased risk in your supply chain

Additional reports that you can access from the Network and Inventory Summary report are (in alphabetical order):

• Inventory Turns by ABC Class.
• Inventory Value by Category-Organization.
• Items Single Sourced.
• Single Source Count by Category.
• Single Source Count by Organization.
• Top – Days of Cover by Item.
This report allows you to view data based in selected View, Category, or Organization.

**Postponement Analysis**

This report is primarily used when incorporating Inventory Optimization in your scenarios and quantifies the impact of inventory postponement in both inventory carrying cost and safety stock. A higher degree of postponement indicates lower overall inventory risk.

**Fact Notes**

All facts represent dollar values.

Carrying Cost Savings = Carrying Cost without Postponement – Carrying Cost
Safety Stock Savings = Safety Stock without Postponement – Safety Stock Value

The report allows you to view information based on the selected View. The available options are view by Table or Chart.

Additional reports that you can access from the Postponement Analysis report are (in alphabetical order):
- Postponement by Organization.

This report allows you to view data based in selected View, Category, or Organization.

**Excess and Obsolescence**

This is summary report indicates the potential amount of excess or obsolete components and is a good measure of inventory risk.

The reports allow you to view information based on the selected View. The available options are view by Category or Organization.

The Total Excess Value is computed as:

Total Excess * Item Standard Cost

Where Total Excess includes excess on hand plus excess on order. Excess on hand is the difference between On-Hand Inventory and Demand within the Excess Horizon and Excess On-Order is the difference between On-Order Inventory and Demand within Excess Horizon.

The Total Obsolescence Value is computed as:

Total Obsolete * Item Standard Cost

Where Total Obsolete includes obsolete on hand plus obsolete on order. Obsolete on hand is the difference between On-Hand Inventory and Demand within Obsolescence Horizon and Obsolete On-Order is the difference between On-Order Inventory and
Demand within Obsolescence Horizon.

Additional reports that you can access from the Excess and Obsolescence report are (in alphabetical order):

- Excess Details.
- Obsolescence Details.

**Safety Stock Scenario Analysis**

This report provides the ability to compare safety stock by category, organization, or period across the various scenarios.

The View list provides the following options for the report data to be displayed:

- Safety Stock by Category.
- Safety Stock by Fiscal Period.
- Safety Stock by Organization.

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

- Comparison of Inventory and Safety Stock.

**Inventory Analysis**

This report allows you to compare the projected available balance against the safety stock targets for each scenario.

The View selector provides the following options:

- Safety Stock Target Analysis.
- Safety Stock Target Analysis – Value.

The Scenario selector allows you to choose which scenario data to view.

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

- Comparison of Inventory and Safety Stock
  
  Ratio is calculated as follows:
  
  \[ \text{Ratio} = \frac{\text{Inventory Days of Cover}}{\text{Safety Stock in Days}} \]
Service Level Scenario Comparison

This report provides a summary of the service level shortfall by customer, period, and category or demand class and can be used in gauging customer service risk.

Service level difference is calculated as follows:

\[ \text{Service Level Difference} = \text{Service Level} – \text{Target Service Level} \]

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

• Service Level Difference by Category.
• Service Level Difference by Fiscal Period-Category.
• Service Level Difference by Fiscal Period-Customer.
• Service Level Difference by Item.
• Top Service Level Difference by Customer.

Unmet Revenue Analysis

The magnitude of unmet revenue by customer, category, or fiscal period can be compared across scenarios to identify the largest shortfall of revenue across these different dimensions. With this knowledge, actions can be taken to mitigate revenue risk.

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

• Top Unmet Revenue by Customer.
• Unmet Revenue by Category.
• Unmet Revenue by Fiscal Period-Category.
• Unmet Revenue by Fiscal Period-Customer.
• Unmet Revenue by Item.

Using the Supply Chain Sourcing Page

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

• Supplier Sourcing.
• Manufacturing Sourcing.
Understanding the Supply Chain Sourcing Page

The Supply Chain Sourcing page allows the Supply Chain Risk Analyst the ability to compare supply, manufacturing, and transportation sourcing between two scenarios. To be able to compare the scenarios effectively, we limit the choice to two scenarios.

To access the Supply Chain Sourcing page:

1. Select the Supply Chain Risk Analyst responsibility.
2. Select Supply Chain Risk Management Dashboard.
3. Select the Supply Chain Sourcing tab.

Page-Level Filters

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

The table below lists the page-level filters for the Supply Chain Sourcing page.

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
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<tbody>
<tr>
<td>Comparison Scenario</td>
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</tr>
<tr>
<td>Category</td>
<td>Select from a list of item categories. Only one category can be selected. This is an optional field.</td>
</tr>
</tbody>
</table>

Supplier Sourcing

Supplier sourcing can be compared across different scenarios to analyze overall distribution of purchasing dollars across suppliers and can provide visibility to highlight an unbalance allocation of supplies across suppliers.

Table and chart views allow you to view the supply distribution by supplier.
Additional reports that can be accessed from the Supplier Sourcing reports are (in alphabetical order):

- Purchasing Cost by Category.
- Purchasing Cost by Fiscal Period.

Manufacturing Sourcing

Manufacturing sourcing can be compared across the different scenarios to analyze the overall manufacturing cost distribution across the different organizations.

Table and chart views allow you to compare the manufacturing sourcing by plant for each scenario.

Additional reports that can be accessed from the Manufacturing Sourcing reports are (in alphabetical order):

- Manufacturing Volume by Category.
- Manufacturing Volume by Fiscal Period.

Transportation by Mode

Comparison of transportation modes can be analyzed in this report to assess the amount of transportation dollars allocated to a specific mode.

Table and chart views allow you to compare the transportation cost by mode for each scenario.

Additional reports that can be accessed from the Transportation by Mode reports are (in alphabetical order):

- Transportation by Category.
- Transportation by Source-Destination.
- Transportation Cost by Item.

Supply Chain Risk Management Secondary Drill-Down Reports

Primary reports are located on the three tabs in the Supply Chain Risk Management Dashboard. Secondary reports are reports that you access from the primary reports.

The table below list secondary reports for the Supply Chain Risk Management Dashboard in alphabetical order.
<table>
<thead>
<tr>
<th>Report Name</th>
<th>Measures or Facts</th>
<th>Dimension or View by</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrying Cost by Category</td>
<td>Carrying Cost</td>
<td>Scenario, Fiscal Period</td>
</tr>
<tr>
<td>Carrying Cost by Fiscal Period</td>
<td>Carrying Cost</td>
<td>Scenario, Fiscal Period</td>
</tr>
<tr>
<td>Carrying Cost by Item</td>
<td>Carrying Cost</td>
<td>Scenario, Fiscal Period</td>
</tr>
<tr>
<td>Carrying Cost by Organization</td>
<td>Carrying Cost</td>
<td>Scenario, Fiscal Period</td>
</tr>
<tr>
<td>Comparison of Inventory and Safety Stock by Category</td>
<td>Inventory Value, Inventory Days of Cover, Inventory Quantity, Safety Stock (units), Safety Stock (Days), Ratio (Inventory Days of Cover / Safety Stock in Days)</td>
<td>Category</td>
</tr>
<tr>
<td>Comparison of Inventory and Safety Stock by Organization</td>
<td>Inventory Value, Inventory Days of Cover, Inventory Quantity, Safety Stock (units), Safety Stock (Days), Ratio (Inventory Days of Cover / Safety Stock in Days)</td>
<td>Organization</td>
</tr>
<tr>
<td>Consensus Forecast by Fiscal Period</td>
<td>Consensus Forecast</td>
<td>Fiscal Period</td>
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<tr>
<td>Constrained Forecast by Fiscal Period</td>
<td>Constrained Forecast</td>
<td>Fiscal Period</td>
</tr>
<tr>
<td>Cost by Resource</td>
<td>Resource Cost</td>
<td>Resource</td>
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<tr>
<td>Fixed Cost by Organization</td>
<td>Fixed Cost</td>
<td>Organization</td>
</tr>
<tr>
<td>Fixed Cost by Period</td>
<td>Fixed Cost</td>
<td>Fiscal Period</td>
</tr>
<tr>
<td>Inventory Turns by ABC Class</td>
<td>Inventory Turns</td>
<td>Item</td>
</tr>
<tr>
<td>Inventory Value by Category</td>
<td>Inventory Value</td>
<td>Category</td>
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<tr>
<td>Inventory Value by Organization</td>
<td>Inventory Value</td>
<td>Organization</td>
</tr>
<tr>
<td>Items Single Sourced</td>
<td>Order Quantity</td>
<td>Item</td>
</tr>
<tr>
<td>Manufacturing Cost by Fiscal Period</td>
<td>Manufacturing Cost</td>
<td>Fiscal Period</td>
</tr>
<tr>
<td>Manufacturing Cost by Organization</td>
<td>Manufacturing Cost</td>
<td>Organization</td>
</tr>
<tr>
<td>Manufacturing Volume by Category</td>
<td>Manufacturing Volume</td>
<td>Category</td>
</tr>
<tr>
<td>Manufacturing Volume by Fiscal Period</td>
<td>Manufacturing Volume</td>
<td>Fiscal Period</td>
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<tr>
<td>Margin by Fiscal Period</td>
<td>Margin</td>
<td>Fiscal Period</td>
</tr>
<tr>
<td>Margin by Organization</td>
<td>Margin</td>
<td>Organization</td>
</tr>
<tr>
<td>Obsolescence Details by Category</td>
<td>On Hand, On Order, Demand within Obsolescence Horizon, Obsolete On Hand (value), obsolete on-order (value), Total Obsolescence (Value)</td>
<td>Category</td>
</tr>
<tr>
<td>Obsolescence Details by Organization</td>
<td>On Hand, On Order, Demand within Obsolescence Horizon, Obsolete On Hand (value), obsolete on-order (value), Total Obsolescence (Value)</td>
<td>Organization</td>
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<tr>
<td>Postponement by Category</td>
<td>Carrying Cost, Carrying Cost without Postponement, Safety Stock, Safety Stock without Postponement, Carrying Cost Savings, Safety Stock Savings</td>
<td>Category</td>
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<tr>
<td>Postponement by Organization</td>
<td>Carrying Cost, Carrying Cost without Postponement, Safety Stock, Safety Stock without Postponement, Carrying Cost Savings, Safety Stock Savings</td>
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<tr>
<td>Purchasing Cost by Category</td>
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<td>Category</td>
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<td>Purchasing Cost by Fiscal Period</td>
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<tr>
<td>Purchasing Cost by Item</td>
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<td>Item</td>
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<tr>
<td>Purchasing Cost by Organization</td>
<td>Purchasing Cost</td>
<td>Organization</td>
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<tr>
<td>Purchasing Cost by Supplier</td>
<td>Purchasing Cost</td>
<td>Supplier</td>
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<tr>
<td>Resource Utilization by Fiscal Period</td>
<td>Resource Utilization</td>
<td>Fiscal Period</td>
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<tr>
<td>Resource Utilization by Organization</td>
<td>Resource Utilization</td>
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<td>Resource Utilization by Resource</td>
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<td>Revenue by Category</td>
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<td>Category</td>
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<tr>
<td>Revenue by Customer</td>
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<td>Customer</td>
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<tr>
<td>Metric</td>
<td>Type</td>
<td>Category</td>
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<tr>
<td>Revenue by Fulfillment Organization</td>
<td>Revenue</td>
<td>Fulfillment Organization</td>
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<tr>
<td>Revenue by Item</td>
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<td>Item</td>
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<tr>
<td>Revenue by Organization</td>
<td>Revenue</td>
<td>Organization</td>
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<tr>
<td>Service Level Difference by Category</td>
<td>Service Level Difference</td>
<td>Category</td>
</tr>
<tr>
<td>Service Level Difference by Fiscal Period - Category</td>
<td>Service Level Difference</td>
<td>Category, Fiscal Period</td>
</tr>
<tr>
<td>Service Level Difference by Fiscal Period - Customer</td>
<td>Service Level Difference</td>
<td>Customer, Fiscal Period</td>
</tr>
<tr>
<td>Service Level Difference by Item</td>
<td>Service Level Difference</td>
<td>Item</td>
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<tr>
<td>Shutdown/Startup Cost by Period</td>
<td>Shutdown/Startup Cost</td>
<td>Fiscal Period</td>
</tr>
<tr>
<td>Single Source Count by Category</td>
<td>Number of Items Single Sourced</td>
<td>Category</td>
</tr>
<tr>
<td>Single Source Count by Organization</td>
<td>Number of Items Single Sourced</td>
<td>Organization</td>
</tr>
<tr>
<td>Startup/Shutdown Cost by Organization</td>
<td>Startup/Shutdown Cost</td>
<td>Organization</td>
</tr>
<tr>
<td>Supplier Utilization by Fiscal Period</td>
<td>Supplier Utilization</td>
<td>Fiscal Period</td>
</tr>
<tr>
<td>Supply Value by Category</td>
<td>Supply Value</td>
<td>Category</td>
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<tr>
<td>Supply Value by Item</td>
<td>Supply Value</td>
<td>Item</td>
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<tr>
<td>Supply Value by Source Organization</td>
<td>Supply Value</td>
<td>Source Organization</td>
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<tr>
<td>Top – Days of Cover by Item</td>
<td>Days of Cover</td>
<td>Item</td>
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<tr>
<td>Metric</td>
<td>Category</td>
<td>Unit</td>
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<tr>
<td>Top Service Level Difference by Customer</td>
<td>Service Level</td>
<td>Customer</td>
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<tr>
<td>Top Supplier Item Utilization</td>
<td>Supplier Utilization</td>
<td>Scenario, Customer</td>
</tr>
<tr>
<td>Top Unmet Revenue by Customer</td>
<td>Unmet Revenue</td>
<td>Customer</td>
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<tr>
<td>Total Demand by Category</td>
<td>Total Demand</td>
<td>Category</td>
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<tr>
<td>Total Demand by Customer</td>
<td>Total Demand</td>
<td>Customer</td>
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<td>Total Demand by Fiscal Period</td>
<td>Total Demand</td>
<td>Fiscal Period</td>
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<tr>
<td>Total Demand by Item</td>
<td>Total Demand</td>
<td>Item</td>
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<td>Total Supply by Category</td>
<td>Total Supply</td>
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<tr>
<td>Total Supply by Fiscal Period</td>
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<td>Fiscal Period</td>
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<tr>
<td>Total Supply by Item</td>
<td>Total Supply</td>
<td>Item</td>
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<tr>
<td>Transportation by Category</td>
<td>Transportation Cost</td>
<td>Category</td>
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<tr>
<td>Transportation by Source-Destination</td>
<td>Transportation Cost</td>
<td>Source-Destination</td>
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<tr>
<td>Transportation Cost by Fiscal Period</td>
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<td>Transportation Cost by Item</td>
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<td>Transportation Cost by Lane</td>
<td>Transportation Cost</td>
<td>Lane</td>
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<tr>
<td>Transportation Cost by Ship Method</td>
<td>Transportation Cost</td>
<td>Ship Method</td>
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<tr>
<td>Unmet Revenue by Category</td>
<td>Unmet Revenue</td>
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<td>Unmet Revenue by Customer</td>
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<td>Unmet Revenue</td>
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<tr>
<td>Unmet Revenue by Fiscal Period</td>
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<td>Fiscal Period</td>
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<td>Unmet Revenue by Fiscal Period-Category</td>
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<td>Category, Fiscal Period</td>
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<tr>
<td>Unmet Revenue by Item</td>
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<td>Item</td>
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</tbody>
</table>
Using the Service Parts Planning Dashboard

This chapter covers the following topics:

- Overview
- Using the Plan Health Summary Page
- Using the Demand & Supply Page
- Using the Exceptions Page
- Using the Service Level Agreement Analysis Page
- Using the Historical Performance Page

Overview

The Service Parts Planning (SPP) dashboard helps a Service Parts Planner review his service supply chain, monitor the plan performance, and identify potential issues, cutting across planning applications. Pre-seeded Service Parts Planning reports are available with the role of 'Service Parts Analyst'. The reports enable tasks related to service parts plan analysis, and their layout and content may be changed by the user. These reports, and glossary information, are available in the following tabs:

- Plan Health Summary
- Demand and Supply
- Exceptions
- SLA Analysis
- Historical Performance
Using the Plan Health Summary Page

This page provides the Supply Chain Analyst an overall view of the plan’s health. Key metrics are displayed regarding demand and supply, resources, and exceptions. This page also provides the ability to compare an archived plan against actuals, and against a current plan.

Page level Filters

The following page level filters are provided:

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline Plan</td>
<td>A drop down with a list of plans to be used as the baseline. Only one selection is allowed.</td>
</tr>
<tr>
<td>Comparison Plan</td>
<td>A drop down with a list of plans from which the archived plan may be selected. Multiple plans may be selected from this list.</td>
</tr>
<tr>
<td>Category</td>
<td>A drop down with a list of Categories. Multiple categories may be selected from this list.</td>
</tr>
<tr>
<td>Organization</td>
<td>A drop down with a list of Organizations. Multiple organizations may be selected from this list.</td>
</tr>
<tr>
<td>Period Start</td>
<td>Ability to select the date range of choice over which the reports should be displayed.</td>
</tr>
</tbody>
</table>

APCC Plan Details in Service Parts Planning

In SPP, the Order Details and Exception Details facts that have the same attributes as they do in the Supply Chain Analyst dashboard Plan Health Summary and Exceptions tabs are available in OBIEE answers for end users to build reports. There are no changes to Service Supply Chain Analyst dashboard.

Demand and Supply Summary Report

This report helps users to determine how demand and supply differ between baseline and comparison plans. One example would be to determine what has changed since the previous month. Both Usable and Defective supplies are shown.

The rows 'Total Demand Difference', 'Total Usable Supply Difference' and 'Total Defective Supply Difference' rows are computed as a percentage: (Baseline Plan Value minus Archived Plan Value) / (Archived Plan Value). The table allows drilling down to
relevant reports from the Plan Value (described below).

Drill-downs

The report Demand and Supply Summary Report provides the following drill-downs.

Demand & Supply Totals by Category
This provides the following:

- Ability to drill down from Totals field
- Ability to select multiple categories using the dropdown containing the list of categories.
- Transfers include In-transits and Planned Transfers
- Repairs include existing repair orders and Planned Repair orders, both internal and external
- New Buy includes existing Purchase Orders and Planned New Buy Orders
- Category TOTAL is a computed field. It is okay to sum across multiple UOM’s within the Category.
- In case of multiple Categories, pagination is applied, 25 lines per page. The Category TOTAL is displayed each page.

**Demand & Supply Totals by Organization**

This provides the following:

- Ability to drill down from Totals field
- Ability to select multiple organizations using the dropdown containing the list of categories.
• Transfers include In-transits and Planned Transfers

• Repairs include existing repair orders and Planned Repair orders, both internal and external

• New Buy includes existing Purchase Orders and Planned New Buy Orders

• Organization TOTAL is a computed field. It is okay to sum across multiple UOM’s within the Organization.

• In case of multiple Categories, pagination is applied, 25 lines per page. The Category TOTAL is displayed on each page.

**Demand & Supply Trend**

This report provides the planner the ability to compare measures within a given plan. This can be useful in a number of ways, for example, to compare how demand compares with supply in each period, to see how the supply is composed (by comparing total supply against repairs, purchases, and so on). The planner is able to select multiple measures by means of a multi select, and the graph plots for the selected measures over time.

This is the same as the Demand & Supply Trend- Base Plan report in Demand & Supply page. While that report permits the user to select multiple measures, then drilling down from there, this report opens with all measures selected.

**Top Demands**

This report shows the user the top categories / zones / organizations / supersession with the highest demands.

This is similar to the 'Top Demand' report in the Demand & Supply Page but opens in the context of the filters applied on the parent report. It can be viewed along Category, Organization and Zone dimensions.

**Top Supplies**

This report shows the top categories / zones / organizations / supersession with the highest supplies.

This is the similar to the 'Top Supplies' report in the Demand & Supply Page but opens in the context of the filters applied on the parent report. It can be viewed along Category and Organization dimensions.

**Top Returns**

This report shows the user the top categories / zones / organizations / supersession with the highest returns.

This is the similar to the 'Top Returns' report in the Demand & Supply Page but opens in the context of the filters applied on the parent report. It can be viewed along Category, Organization, and Zone Dimensions.
Top Repairs
This shows the user the top categories / zones / organizations / supersession with highest repairs.
This is similar to the 'Top Repairs' report in the Demand & Supply Page but opens in the context of the filters applied on the parent report. It can be viewed along Category and Organization dimensions.

Exceptions Summary
This is similar to the 'Exceptions Summary, page 8-29' report in the 'Exceptions' page. The report opens in the context of the filters applied on the 'Demand & Supply Summary' parent report.

Safety stock versus PAB Trend

This compares safety stock against the Projected Available Balance over time.

Safety stock versus PAB by Category
This compares safety stock and PAB, grouped by category.

**Safety stock versus PAB by Organization**

This compares safety stock and PAB, grouped by organization.

**Safety stock versus PAB by Supersession Chain**

This compares safety stock and PAB, grouped by supersession chain.

**Replenishment by Type Report**

Repair vs. buy is one of the key decisions that a service parts planner has to make. This report graphically shows the planner what percentage of replenishments are met through repairs versus new parts. Within repairs, it shows how much is repaired by internal repair depots versus third party repair suppliers. A second graph shows the split between the all three sources, by category.
Drill-downs

The following drill-down reports are available from the Replenishment By Type Report:

**Demand & Supply Totals by Category**

This report is identical to the Demand & Supply totals by Category drill-down from Demand & Supply Summary report but opens in the context of the filters applied on the parent report. It is possible to drill down from both the archived plan and the baseline plan.

**Demand & Supply Totals by Organization**

This report is identical to the Demand & Supply Totals by Organization drill-down from Demand & Supply Summary report but opens in the context of the filters applied on the parent report. It possible to drill down from both the archived plan and the baseline plan.

**Demand & Supply Totals Trend**

This is identical to the Demand & Supply Trend report in Demand & Supply page but opens in the context of the filters applied on the parent report. While that report permits the user to select multiple measures, when drilling down from here the report opens with all measures selected. Also, the table, (and not the graph) opens up when the planner drills down from here. This drill-down is available both for the Archived and the Baseline plan.

**Top Repairs**

This is similar to the 'Top Repairs' report in the Demand & Supply Page but opens in the context of the filters applied on the parent report. It is viewable along Category, and Organization dimensions.
Exceptions Report

Since the first thing a planner usually does while reviewing a plan is to look at the exceptions in the plan, the Exceptions Report is included in the Plan Health page. This report helps the planner analyze exceptions in the Baseline plan and compare them with those in other plans.

The user can filter the table across the following dimensions in addition to the page level filters:

- **Exception Type**: Ability to select multiple exception types using the drop down containing the list of exception types.

- **Measure**: Ability to select one of the exceptions facts as the measure to be displayed in the table. The measures include: Exception Count, Exception Value, Exception Days, Exception Quantity, and Exception Ratio.

The table provides the following:

- Ability to drill down to relevant reports (described below) from the Plan Value.

- Note that this report is a mixed report in that some of the exceptions are in Dollars ($), some in Quantity, Some as Ratio and others as Count or Days. The appropriate format should be followed as shown in the table above.

- Pagination should be applied if required. A maximum of 25 lines per page should be displayed.

The 'Exception' drop down contains all exceptions in an SPP plan and the planner can select one from the list to compare the two plans against.

In case there are multiple measures for an exception – for example, Safety stock exceptions can be measured in quantity or days – the Measure drop down would have a list of values that the planner can select from.

The planner has the ability to view the exceptions in the plan along different dimensions – Supersession chain, Category and Organization.
Drill-downs

The following drill-down reports, defined above, are available from the Exceptions Report:

Exceptions by Category

This report helps users analyze exceptions by Category in the plan that he drills down from.

Exceptions by Organization

This report helps users analyze exceptions by Organization in the Baseline Plan and also compare exceptions between the Baseline and Comparison Plans.

Exceptions by Supersession

The layout of this report is similar to the Exceptions by Category report, except that this report permits filtering, and opens by supersession chain.

Exceptions Trend

The Exceptions Trend graph plots the selected exception along the time dimension. This can be viewed either as a graph or as a table.
The table provides the ability to drill down to the same reports as in the chart.

### Shipment & Returns - History & Trend Report

This report helps the users evaluate:

1. How did the Plan for key supply chain metrics compare against Actual in past periods?
2. How does it project in the future (History vs. Plan/Forecast)?

This graph plots key service supply chain metrics over time. It indicates how each of the service supply chain metrics have been performing historically and what the plan for them is, looking forward in time. If any of the metrics displays a significant deviation between periods then it is a visual indication of change.
This report can be viewed either as a graph or as a table.

The table provides the following:

- Ability to show or hide the table
- Ability to drill down to the same reports as in the chart
- Up to two decimals displayed

Drill-downs – Shipments to Plan

Demand & Supply Totals by Category

This report is identical to the Demand & Supply totals by Category drill-down from
Demand & Supply Summary report but opens in the context of the filters applied on the parent report.

**Demand & Supply Trend**

This is similar to the Demand & Supply Trend report in Demand & Supply page but opens in the context of the filters applied on the parent report. While that report permits the user to select multiple measures, when drilling down from here, this report opens to compare Total Demand against Total Usable Supply. This drill-down is available both for the Archived and the Baseline plan. The context of the plan is passed, so that the drill-down report opens for the correct plan.

**Top Demands**

This is the same as the 'Top Demands' report defined above.

**Top Supplies**

This is the same as the 'Top Supplies' report defined above.

**Exceptions Summary**

This report is the same as the 'Exceptions Summary' report defined above.

**Drill-downs – Returns to Plan**

**Top Returns**

This is the same as the 'Top Returns' report defined above.

---

**Using the Demand & Supply Page**

This page allows the service parts plan analyst to efficiently evaluate how demand & supply in the service supply chain are balanced over time and how they vary from plan to plan. The reports and metrics identified for plan to plan comparison are detailed in the following sections.

**Page level Filters**

The following page level filters are provided:

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline Plan</td>
<td>A drop down with a list of plans that is to be used as the baseline. Only one selection is possible.</td>
</tr>
<tr>
<td>Comparison Plan:</td>
<td>A drop down with a list of plans from which the comparison plan may be selected. User can select multiple plans from this list.</td>
</tr>
<tr>
<td>Category</td>
<td>A drop down with a list of Categories. User can select multiple categories from this list.</td>
</tr>
<tr>
<td><strong>Organization</strong></td>
<td>A drop down with a list of Organizations. User can select multiple organizations from this list.</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td><strong>Planner</strong></td>
<td>A drop down with a list of planners. User can select multiple planners from the list.</td>
</tr>
<tr>
<td><strong>Period Start</strong></td>
<td>This allows one to select the date from which the report display begins.</td>
</tr>
</tbody>
</table>

**Demand & Supply Summary Report**

This report helps you see the break up of demand and the usable and defective supplies in each plan, and to determine how demand and supply differ between baseline and comparison plans (for example, to determine what has changed since last month). Both Usable and Defective supplies are shown in report.

The table representing this report and its layout is presented below:
The rows 'Total Demand Difference', 'Total Usable Supply Difference' and 'Total Defective Supply Difference' rows are computed as a percentage: (Baseline Plan Value minus Archived Plan Value) / (Archived Plan Value). The table provides the following:

- Ability to drill down to relevant reports (described below) from the Plan Value
- Decimals not shown

**Drill-downs**

Drill-downs from this report are the same as the drill downs from the Demand & Supply Summary report on the Plan Health Page.

**Demand & Supply Trend Across Plans Report**

This report allows you to compare a particular demand or supply measure between two
plans. The measures that the planner can compare are: Total Demand, Total Usable Supply, Total Defective Supply, Projected Available Balance (Usable) and Safety Stock Targets. The report can be viewed either as a graph or as a table.

The graph plots the demand and supply measures over time using a line graph. When the lines diverge, it is a visual indication of change in the selected measure between the plans.

**Filter dimensions**

The report has a filter by Planner. If no planner is selected, the report renders for all planners. In addition, the user is able to filter the table across the following dimensions:

**Measure Type:** Ability to select the type of measure to be displayed on the graph. The supported measures are: Total Demand, Total Usable Supply, Total Defective Supply, Safety Stock, and Projected Available Balance (Usable). Users will have ability to select only one measure.

A table of values that corresponds to this chart is presented below the chart. The layout would is as follows:
Drill-downs

Demand & Supply Totals by Category

This report is defined under the Demand & Supply totals by Category, page 8-3 drill-down from Demand & Supply Summary report. It is possible to drill down from both the archived plan and the baseline plan. Demand & Supply Totals by Organization This report is defined under the Demand & Supply Totals by Organization drill-down from Demand & Supply Summary report.

Top Demands

This is the same as the 'Top Demands, page 8-5' report in the Demand & Supply Page. It is viewable by Category, Organization, Zone and Supersession. This drill-down report shows the top demands in the period from which the planner drills down.

Top Supplies

This is the same as the 'Top Supplies, page 8-5' report in the Demand & Supply Page. It is viewable by Category, Organization and Supersession. This drill-down report shows the top demands in the period from which the planner drills down.

Top Returns

This is the same as the 'Top Returns, page 8-5' report in the Demand & Supply Page. It is viewable by Category, Organization, Zone and Supersession. This drill-down report shows the top demands in the period from which the planner drills down.

Top Repairs

This is the same as the 'Top Repairs' report in the Demand & Supply Page. It is viewable by Category, Organization and Supersession. This drill-down report shows the top demands in the period from which the planner drills down.
Replenishment by Type

This is the same as the 'Replenishment by Type, page 8-7' report in the Plan Health page. When a planner clicks on the Total Supplies in a particular period and drills down to this report, the Replenishments in that period, by type, are displayed.

Exceptions Summary

This report is the same as the 'Exceptions Summary, page 8-29' report in the Exceptions page. When a planner selects this drill-down, the Exceptions Summary report shows exceptions only in the selected period.

Demand & Supply Trend within Base Plan Report

This report provides the ability to compare measures within a given plan. This can be useful in a number of ways, for example, to compare how demand compares with supply in each period.

The planner has the option to view the data as a table. The table provides the ability to drill down to the same report as the chart. The format of the table is as follows:
Drill-downs

**Demand & Supply Totals by Category**

This report is defined under the Demand & Supply totals by Category, page 8-3 drill-down from Demand & Supply Summary report. The period information (from which we drill down) is passed in, so that the drill-down report is opened only for that period. Page level filters are also respected in the drill-down report.

**Demand & Supply Totals by Organization**

This report is defined under the Demand & Supply Totals by Organization, page 8-4 drill-down from Demand & Supply Summary report. The period information (from which we drill down) is passed in, so that the drill-down report is opened only for that period. Page level filters are also respected in the drill-down report.

**Top Demands**

This is the same as the 'Top Demands, page 8-5' report in the Demand & Supply Page. This is viewable by Category, Organization, Zone and Supersession. This drill-down report shows the top demands in the period from which the planner drills down.

**Top Supplies**

This is the same as the 'Top Supplies, page 8-5' report in the Demand & Supply Page. This is viewable by Category, Organization and Supersession. This drill-down report shows the top supplies in the period from which the planner drills down.

**Top Returns**

This is the same as the 'Top Returns, page 8-5' report in the Demand & Supply Page. This is viewable by Category, Organization, Zone and Supersession. This drill-down report shows the top supplies in the period from which the planner drills down.
Top Repairs

This is the same as the 'Top Repairs' report in the Demand & Supply Page. This is viewable by Category, Organization and Supersession. This drill-down report show the top repairs in the period from which the planner drills down.

Replenishment by Type

This report is the same as the 'Replenishment by Type, page 8-7' report in the Plan Health page. When a planner clicks on the Total Supplies in a particular period and drills down to this report, the Replenishments in that period, by type, are be displayed.

Exceptions Summary

This report is the same as the 'Exceptions Summary, page 8-29' report in the Exceptions page. When a planner selects this drill-down, the Exceptions Summary report shows exceptions only in the selected period.

Top Demands Report, Top Supplies Report, Top Returns Report, Top Repairs Report

These reports show the top categories/zones/organizations/supersession with the highest demand, the categories / organizations with the highest supplies, the categories/zones/organizations with the highest returns, and the categories / organizations / supersessions with highest repairs.

These show which categories/zones/organizations contribute the bulk of his business so that he can focus on them, especially in case of issues.
It is also possible to view these reports as tables.
Drill-downs from Top Demands

Demand & Supply Totals by Category
This report is defined under the Demand & Supply totals by Category, page 8-3 drill-down from Demand & Supply Summary report. The page level filters are respected in the drill-down report.

Demand & Supply Totals by Organization
This report is defined under the Demand & Supply Totals by Organization, page 8-4 drill-down from Demand & Supply Summary report. The page level filters are respected in the drill-down report.

Demand & Supply Totals by Supersession Chain

Demand & Supply Trend
This is the same as the Demand & Supply Trend- Base Plan, page 8-5 report in Demand & Supply page. While that report permits the user to select multiple measures, when drilling down from here, the report opens to show Total Demand against Total supply,
with the context of the cell / bar that the report id drilled down to.

Exceptions Summary

This report is the same as the 'Exceptions Summary, page 8-29' report in the Exceptions page. When selecting this drill-down, the Exceptions Summary report shows exceptions only in the context of the parameters passed (for example category).

Drill-downs from Top Supplies

Demand & Supply Totals by Category

This report is the same as defined under the Demand & Supply totals by Category, page 8-3 drill-down from Demand & Supply Summary report. The page level filters are respected in the drill-down report.

Demand & Supply Totals by Organization

This report is defined under the Demand & Supply Totals by Organization, page 8-4 drill-down from Demand & Supply Summary report. The page level filters are respected in the drill-down report.

Demand & Supply Totals by Supersession Chain

This report is defined under the Demand & Supply Totals by Supersession, page 8-22 drill-down from the Top Demands report. The page level filters are respected in the drill-down report.

Demand & Supply Trend

This is the same as the Demand & Supply Trend- Base Plan, page 8-5 report in Demand & Supply page. While that report permits the user to select multiple measures, when drilling down from here, the report opens to show Total Demand against Total supply, with the context of the cell / bar that the report id drilled down to.

Replenishment by Type

This report is the same as the 'Replenishment by Type, page 8-7' report in the Plan Health page. When a planner clicks on the Total Supplies, the Replenishments by type is displayed in the context of the parameters passed.

Exceptions Summary

This report is the same as the 'Exceptions Summary, page 8-29' report in the Exceptions page. When a planner selects this drill-down, the Exceptions Summary report shows exceptions only in the context of the parameters passed (for example category).

Drill-downs from Top Returns

Demand & Supply Totals by Category

This report is defined under the Demand & Supply Totals by Category, page 8-3 drill-down from Demand & Supply Summary report. The page level filters are respected in the drill-down report.

Demand & Supply Totals by Organization
This report is defined under the Demand & Supply Totals by Organization, page 8-4 drill-down from Demand & Supply Summary report. The page level filters are respected in the drill-down report.

**Demand & Supply Totals by Supersession Chain**

This report is defined under the Demand & Supply Totals by Supersession, page 8-22 drill-down from the Top Demands report. The page level filters are respected in the drill-down report.

**Demand & Supply Trend**

This is the same as the Demand & Supply Trend- Base Plan, page 8-5 report in Demand & Supply page. While that report permits the user to select multiple measures, when drilling down from here, the report opens to show Total Demand against Total supply, with the context of the cell / bar that the report id drilled down to.

**Exceptions Summary**

This report is the same as the 'Exceptions Summary, page 8-29' report in the Exceptions page. When a planner selects this drill-down, the Exceptions Summary report shows exceptions only in the context of the parameters passed (for example category).

**Drill-downs from Top Repairs**

**Demand & Supply Totals by Category**

This report is defined under the Demand & Supply Totals by Category, page 8-3 drill-down from Demand & Supply Summary report. The page level filters are respected in the drill-down report.

**Demand & Supply Totals by Organization**

This report is as defined under the Demand & Supply Totals by Organization, page 8-4 drill-down from Demand & Supply Summary report. The page level filters are respected in the drill-down report.

**Demand & Supply Totals by Supersession Chain**

This report is defined under the Demand & Supply Totals by Supersession, page 8-22 drill-down from the Top Demands report. The page level filters are respected in the drill-down report.

**Demand & Supply Trend**

This is the same as the Demand & Supply Trend- Base Plan, page 8-5 report in Demand & Supply page. While that report permits the user to select multiple measures, when drilling down from here, the report opens to show Total Demand against Total supply, with the context of the cell / bar that the report id drilled down to.

**Replenishment by Type**

This report is the same as the Replenishment by Type, page 8-7 report in the Plan Health page. When a planner clicks on the Total Supplies, the Replenishments by type is displayed in the context of the parameters passed.
Exceptions Summary

This report is the same as the 'Exceptions Summary, page 8-29 report in the Exceptions page. When a planner selects this drill-down, the Exceptions Summary report shows exceptions only in the context of the parameters passed (for example category).

Running Top Change Reports

These reports compare Demands, Supplies, Returns and Repairs between two plans to see which are the Categories / Zones / Organizations which have the maximum changes between these plans. These are useful in case of issues, and to investigate which of the changes caused the exceptions.

Top Changes - Demands report

![Top Changes - Demands report]

Drill-downs

Demand & Supply Trend Report

This report is defined in the 'Demand & Supply Trend within Base Plans' report on the Demand & Supply Page. It opens to the plan from which the planner drills down.

Top Demands Report

This report is defined in the 'Top Demands' report on the Demand & Supply Page. It opens to the plan from which the planner drills down.
Top Changes - Supplies report

Drill-downs

Demand & Supply Trend Report
This report is defined in the 'Demand & Supply Trend within Base Plans' report on the Demand & Supply Page. It opens to the plan from which the planner drills down.

Top Supplier Report
This report is defined in the 'Top Supplies' report on the Demand & Supply Page. It opens to the plan from which the planner drills down.

Top Changes - Returns report

Drill-downs

Demand & Supply Trend Report
This report is defined in the 'Demand & Supply Trend within Base Plans' report on the Demand & Supply Page. It opens to the plan from which the planner drills down.

Top Returns Report
This report is defined in the 'Top Returns' report on the Demand & Supply Page. It opens to the plan from which the planner drills down.
Top Changes - Repairs report

![Top Changes - Repairs](image)

Drill-downs

Demand & Supply Trend Report
This report is defined in the 'Demand & Supply Trend within Base Plans' report on the Demand & Supply Page. It opens to the plan from which the planner drills down.

Top Repairs Report
This report is defined in the 'Top Repairs' report on the Demand & Supply Page. It opens to the plan from which the planner drills down.

Using the Exceptions Page
This page contains reports that allow users to analyze exceptions in the current plan and help compare against an alternate plan.

Page level Filters
The following page level filters are provided:

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline Plan</td>
<td>A drop down with a list of plans that is to be used as the baseline. Only one selection is possible.</td>
</tr>
<tr>
<td>Comparison Plan</td>
<td>A drop down with a list of plans from which the comparison plan may be selected. The user can select multiple plans from this list.</td>
</tr>
<tr>
<td>Category</td>
<td>A drop down with a list of Categories. The user can select multiple categories from this list.</td>
</tr>
</tbody>
</table>
Planner
A drop down with a list of planners. User can select one planner to see exceptions on the items he plans

Organization
A drop down with a list of Organizations. The user can select multiple organizations from this list.

Time
Ability to select the time unit against which the reports should be displayed. The supported Time measures include: Week, Month, and Quarter

Planner
A drop down with a list of planners. The user can select multiple planners from the list.

Period Start
This allows one to select the date from which the report display begins

**Exceptions Report**

The first thing a planner usually does while reviewing a plan is to look at the exceptions in the plan. Hence the Exceptions in the plan are included in the Plan Health form. This report would help the planner analyze exceptions in the Baseline plan and compare them with the Archived plans.

The format of the report is shown below:

The 'Exception' drop down contains all exceptions in an SPP plan and the planner can select one from the list to compare the two plans against.

In case there are multiple measures for an exception – for example, Safety stock exceptions can be measured in quantity or days – the Measure drop down has a list of values that the planner can select from.
The planner has the ability to view the exceptions in the plan along different dimensions – Supersession chain, Category and Organization.

**Drill-downs**

Drill-downs from this report are the same as the drill downs from the 'Exceptions' report on the Plan Health page.

**Exceptions Summary Report**

This report helps users analyze exceptions in the Baseline Plan and compare exceptions between the Baseline and Comparison Plans. The comparison plan may be a prior plan (what has changed since last month?) or an alternate plan. (Can we do better than the current plan?)

The table representing this report and its layout is presented below:

The table provides the following:

- Ability to drill down to relevant reports (described below) from the Plan Value
- Note that this report is a mixed report in that some of the exceptions are in Dollars ($), some in Quantity, Some as Ratio and others as Count or Days.
- In case of Exception Type as Value – reporting currency will be used.

**Drill-downs**

**Exceptions by Category**

This report is defined in the ‘Exceptions by Category, page 8-10’ drill-down from the Exceptions report on the Plan Health page. This report would open for the exception from which the planner drills down.
Exceptions by Organization

This report is defined in the 'Exceptions by Organization, page 8-10' drill-down from the Exceptions report on the Plan Health page. This report would open for the exception from which the planner drills down.

Exceptions by Supersession

This report is defined in the 'Exceptions by Supersession Chain, page 8-10' drill-down from the Exceptions report on the Plan Health page. This report would open for the exception from which the planner drills down.

Exceptions Trend

This report is defined in the 'Exceptions Trend, page 8-10' drill-down from the Exceptions report on the Plan Health page. This report would open for the exception from which the planner drills down.

Exceptions by Supplier

This report is defined in the 'Exceptions by Supplier' drill-down from the Exceptions report on the Plan Health page. This report would open for the exception from which the planner drills down.

Demand Supply Trend

This report is defined in the 'Demand & Supply Trend, page 8-5' report on the Demand & Supply Page. This report would open with the Measure Total Demand selected.

Using the Service Level Agreement Analysis Page

This page allows comparing plans on service levels, costs, inventory and profitability, and is ideally suited to evaluate contracts and service levels. In case of a new service level agreement, it is possible to compare two plans, with and without the agreement, to evaluate the impact of taking up the contract, on inventory value, profitability, costs etc. Thus, this report can aid the planner in deciding whether or not to take up a new contract or SLA.

Additional Information: The reports in this section are based on Inventory Optimization plans.

Page Layout

This page includes the following reports:

- SLA Summary

- SLA Comparison Across Plans

- Service Level Analysis – Most & Least Compliant
• Profitability Analysis

• Safety Stock across Plans

Page level Filters

The following page level filters are provided to the user:

<table>
<thead>
<tr>
<th>Filter</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline Plan</td>
<td>A drop down with a list of baseline plans. Only one selection is possible.</td>
</tr>
<tr>
<td>Comparison Plan</td>
<td>A drop down with a list of plans from which the comparison plan may be selected. Users have the ability to select multiple plans from this list.</td>
</tr>
<tr>
<td>Category</td>
<td>A drop down with a list of Categories. Users have the ability to select multiple categories from this list.</td>
</tr>
<tr>
<td>Organization</td>
<td>A drop down with a list of Organizations. Users have the ability to select multiple organizations from this list.</td>
</tr>
<tr>
<td>Planner</td>
<td>A drop down with a list of planners. Users have the ability to select multiple planners from the list.</td>
</tr>
<tr>
<td>Period Start</td>
<td>This allows one to select the date from which the report display begins</td>
</tr>
</tbody>
</table>

Service Level Agreement Summary Report

This report enables you to review multiple plans simultaneously along several dimensions, to see if SLAs are being met, and the profitability of the individual plans. A service organization may have service level agreements with several customers, in which case, this report helps look at the Target vs. Planned service levels in the two plans. It is also possible to compare inventory values, different costs (like Purchase Cost, Repair costs, carrying costs, transportation cost) revenue, profit, and so on, between the selected plans.

The format of the report is shown below:
Drill-downs

Target vs Achieved Service Levels by Demand Class

Target vs Achieved Service Levels by Category
Target vs Achieved Service Levels Trend

Top Contribution to Costs
Additional Information: The View By can be by Category, Organization

Top Contribution to Revenue
**Using the Service Parts Planning Dashboard**

**Additional Information:** The View By can be by Demand Class, Category, Organization

**Top Contribution to Profit**

**Additional Information:** The View By can be by Category, Organization

**SLA Comparison Across Plans Report**

This report enables a planner to compare Service Levels Agreements / Contracts, across plans.

**Filter dimensions**

The planner specifies the following at the report level:

- **Measure:** The measure on which the planner wants to compare the two plans.
Allowed measures are: Target Service Level, Achieved Service Level, Total Revenue

- **View As**: to specify whether the report should be displayed as a Chart or Table.

**Report Description**

This report allows the planner to compare service level agreements in two plans along different measures. The plans to be compared are specified as page level filters. The report compares the SLAs planned for in the two plans, based on the measure selected, and the report is displayed either as a Graph or as a Table, depending on the User’s report level selection.

The layout of this report is shown below:

It can also be viewed as a table, as follows:

**Drill-downs**

**Target vs. Achieved Service Level – by Category**

This report is similar to the Target vs. Achieved Service Level by Category drill-down...
from the SLA Summary screen. The report opens in the context of the Demand Class from which the planner drills down to this report.

**Target vs. Achieved Service Level Trend**

This report is similar to the Target vs. Achieved Service Level Trend drill-down from the SLA Summary screen. The report opens in the context of the Demand Class from which the planner drills down to this report.

**Top Contribution to Revenue**

This report is similar to the Top Contribution to Revenue drill-down from the SLA Summary screen. The report opens in the context of the Demand Class from which the planner drills down to this report.

**Service Level Analysis Report**

This report has two constituent reports, allowing a planner to analyze a plan and identify service level agreements with the least and most deviation from agreed targets. It allows you to identify service level contracts with the least and greatest deviation from target. The layout of the report is shown below:

![Service Level Analysis Report](image)

**Drill-downs**

**Target vs. Achieved Service Level – by Category**

This report is similar to the Target vs. Achieved Service Level by Category, page 8-32 drill-down from the SLA Summary screen. The report opens in the context of the Demand Class from which the planner drills down to this report.

**Target vs. Achieved Service Level Trend**

This report is similar to the Target vs. Achieved Service Level Trend, page 8-33 drill-down from the SLA Summary screen. The report opens in the context of the Demand Class from which the planner drills down to this report.

**Profitability Analysis Report**

This report helps identify the most and least profitable items in the service supply...
chain. The layout of the report is shown below:

**Drill-downs**

**Target vs. Achieved Service Level Trend**

This report is similar to the Target vs. Achieved Service Level Trend, page 8-33 drill-down from the SLA Summary screen. The report opens in the context of the item from which the planner drills down to this report.

**Safety Stock Across Plans Report**

This report helps compare safety stock targets between multiple plans. The layout is shown below:
Drill-downs

Safety Stock by Category

This report shows the safety stock targets by category for the plan that is drilled down from.

Safety Stock by Organization

This report shows the safety stock targets by organization for the plan that is drilled down from.
Safety Stock by Supersession Chain

This report shows the safety stock targets by supersession chain for the plan that is drilled down from.

Using the Historical Performance Page

This page has reports that allow users to assess the supply chain performance from period to period. It page contains historical information and provides the ability to compare previously Planned value to Actuals in those past periods.

Page level Filters

The following page level filters are provided:
• **Archived Plan**: A drop down with a list of plans to be used as the baseline. Only one selection is possible.

• **Period**: Provides the ability to select the date range over which reports will be displayed

![Image of Archived Plans and Period Start](image)

**Service Supply Chain Performance Report**

**Filter dimensions**

The user is able to filter the table across the following dimensions in addition to the page level filters:

• **Time 1**: A drop down with a list of start dates corresponding to the selected Time Type from which the baseline period is selected. Only one selection is possible.

• **Time 2**: A drop down with a list of start dates corresponding to the selected Time Type from which the comparison period may be selected. Only one selection is possible.

**Report Description**

This report helps you analyze performance metrics in Period Time 1 and compare supply chain metrics between periods Time 1 and Time 2. The table representing this report and its layout is presented below

![Image of Supply Chain Performance Metrics](image)

The table provides the following:

• Ability to drill down to relevant reports.

• Shipments to Plan is computed as: \( \text{Shipments History} / \text{(Consensus Forecast)} \)
• Returns to Plan is computed as (Returns History) / (Consensus Returns Forecast)

• The actuals (Shipments, Returns) required for computing these measures may be obtained from history data.

Drill-downs

Top Demands
This is the same as the 'Top Demand' report in the Demand & Supply Page. This should be viewable by Category, Organization, Zone and Supersession.

Top Returns
This is the same as the 'Top Returns, page 8-5' report in the Demand & Supply Page, and is viewable by Category, Organization, Zone and Supersession.

Shipments to Plan
This report is similar to the 'Shipments to Plan, page 8-11' report detailed below.

Returns to Plan
This report is similar to the 'Returns to Plan, page 8-11' report detailed below.

Exceptions Summary
This report is similar to the 'Exceptions Summary, page 8-29' report under the Exceptions page.

Service Supply Chain Metrics – Trend Report

Report Description
This report helps you evaluate:

• How have the key supply chain metrics been trending over time

• How do we project them to trend in the future given the plan

The graph plots key supply chain metrics over time. It indicates how each of the supply chain metrics have been performing against the plan value both historically and looking forwards in time. If any of the metrics displays a significant deviation between periods then it is a visual indication of change.
The report provides the:

- Ability to view the data either as a graph or as a table
- Ability to drill down to the detail reports

**Drill-downs**

**Top Demands**
This is the same as the 'Top Demand, page 8-5' report in the Demand & Supply Page, and is viewable by Category, Organization, Zone and Supersession. The Top Demands in the period from where the Planner drills down are displayed.

**Top Returns**
This is the same as the 'Top Returns, page 8-5' report in the Demand & Supply Page, and is viewable by Category, Organization, Zone and Supersession. The Top Returns in the period from which the planner drills down are displayed.

**Shipments to Plan**
This report is similar to the 'Shipments to Plan, page 8-11' report detailed below. However, the shipments to plan in the period that the planner drills down from are displayed

**Returns to Plan**
This report is similar to the 'Returns to Plan' report detailed below. The Returns against forecast in the period that the planner drills down from are displayed.

**Exceptions Summary**
This report is similar to the 'Exceptions Summary, page 8-11' report under the Exceptions page. Only exceptions in the period that the planner drills down from are displayed.

**Shipments to Plan Report**

**Filter dimensions**

In addition to page level filters, the following filters specified at the report level are respected:

- **Group By** – The dimension on which the Top / Bottom N are to be displayed. Valid values are Category, Supersession, Zone, Organization.

For example, if the planner selects Group By=Category, the Top and Bottom N categories with Shipment to Plan are shown.

**Report Description**

This report consists of two graphs and shows the Planner the top and bottom Shipments to Plan, by Category / Zone / Supersession / Org. Using this report, the planner can see which categories / zones / supersession / organizations are shipping close to planned values and which are deviating most from the plan. The graphs for this report are displayed below:

![Shipments to Plan - Least Deviation](image-url)
The report provides the:

- Ability to view the data either as a graph or as a table
- Ability to drill down to the detail reports

**Drill-downs**

**Top Demands**
This is the same as the 'Top Demand, page 8-5' report in the Demand & Supply Page. There are four different drill-downs, for Top Demands by Category, Top Demands by Organization, Top Demands by Zone and Top Demands by Supersession

**Top Supplies**
This is the same as the 'Top Supplies, page 8-5' report in the Demand & Supply Page. There are three different drill-downs, for Top Supplies by Category, Top Supplies by Organization and Top Supplies by Supersession

**Demand & Supply Totals by Category**
This report is as defined under the Demand & Supply totals by Category, page 8-3 drill-down from Demand & Supply Summary report.

**Demand & Supply Totals by Organization**
This report is as defined under the Demand & Supply totals by Organization, page 8-4 drill-down from Demand & Supply Summary report.

**Demand & Supply Trend**
This is the same as the Demand & Supply Trend- Base Plan, page 8-5 report in Demand
& Supply page. While that report permits the user to select multiple measures, when drilling down from here, the report opens for Total Demands versus Total Usable Supplies selected.

Exceptions Summary

This report is similar to the Exceptions Summary, page 8-29 report on the Exceptions page.

Returns to Plan Report

Filter dimensions

In addition to page level filters, the following filters specified at the report level are respected:

- Group By – The dimension on which the Top / Bottom N are to be displayed. Valid values are Category, Supersession, Zone, Organization.

For example, if the planner selects Group By=Category, the Top and Bottom N categories with Returns to Plan are shown.

Report Description

This report shows the Planner the top / bottom Returns to Plan, by Category / Zone / Supersession / Org. It allows the planner to see which categories / zones / supersession / organizations had returns close to forecast values and which are deviating the most from forecast. The graph for this report is displayed below:

A table of values that corresponds to this chart is presented below:
The report provides the:

- Ability to view the data either as a graph or as a table
- Ability to drill down to the detail reports

Drill-downs

Top Returns

This is the same as the 'Top Returns, page 8-5' report in the Demand & Supply Page. When this is selected from the drill down menu, a second level of drill-down opens up, allowing the planner to specify the dimension on which he would like to see the Top Returns— that is, Top Returns by Category, Organization, Zone etc.

Exceptions Summary

This report is similar to the Exceptions Summary, page 8-29 report on the Exceptions page.
Understanding the APCC Policy Planning Dashboard

Overview of APCC Policy Planning

APCC has introduced a new Policy Planning dashboard in which you are able to view and analyze metrics associated with policy driven SPP Plans. You can view key SPP Plan outputs through the following analytics:

- **Plan Estimation**: This metric shows the performance of the Policy Plan and compares it to targets.
- **Policy Execution**: This metric provides insight into the current execution details associated with the Policy Plan.
- **Policy Monitoring**: This metric provides visibility into how the Policy Plan targets and current Plan results compare with historical metrics.

From each of these analytics, you can drill down to detailed graphs and the SPP Plan. An overview of the structure is shown below:
The Policy Planning dashboard has a selector region at the page level that lets you view analytics of the Scenario, the Organization, and the date range. Another region of the dashboard provides links so you can view, create, and launch SPP and IO Plans, as well as manage Policy Parameter set and Item Simulation set data.

The Policy Planning setup lets you analyze data from multiple plans together by grouping them into one scenario in APCC. You can associate the scenario with the Policy Planning dashboard by setting the value of the Analyze In drop-down menu to Service Parts Planning.

**Using the APCC Policy Planning Dashboard**

The categories for which data shows in the Policy Planning dashboard is derived from a category set. In order to display the data, the profile, MSC: Category Set for Policy Planning APCC reports, must have the same value as the Category Set that is used to define Policy Parameters in the Policy Parameters Set.

**Creating a Scenario to View Policy Planning Data**

You may want to view several Policy Planning plans at higher aggregation levels in order to evaluate the performance of Policy Planning. To do this, you need to associate the plans within one scenario. If you want to view only one plan, it needs to be associated with a scenario because the Policy Planning page uses Scenario as a filter.

To create scenarios for policy planning:

1. Sign in under the Advanced Planning Scenario Manager
2. Click Scenario Management.
3. Click Scenarios.
4. Click Analyze in drop-down menu at the top right of the Views section of the Scenarios screen.

Analyze in drop-down shows the dashboard for which the created scenario is relevant. The current values are:

- Sales and Operations
- Supply Chain Analyst
- Service Parts Planning

The APCC Policy Planning dashboard has the following page level selections:

<table>
<thead>
<tr>
<th>Field</th>
<th>Default Value</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scenario</td>
<td>None, user select</td>
<td>All Scenarios that are enabled for Service Items Planning appear in the selection list</td>
</tr>
<tr>
<td>Organization</td>
<td>All</td>
<td>Lists all Organizations associated with the Plans within the Scenario.</td>
</tr>
</tbody>
</table>
Period Start | Definition of period similar to existing APCC framework | You can select a range of dates. The Policy Monitoring Analytic has data from the past, so you can also select dates in the past on the date filter.

### Viewing Policy Planning Output

The Policy Planning tab is shown below:

![Policy Planning Tab](image)

The Policy Planning page is divided into two main areas: Policy Setup and Policy Planning.

**Policy Setup**

Under the Policy Setup section of the page, there are five links that related to various IO areas:

- **View Policy Setup**: View the Material Plan for a named IO Plan showing the Policy details calculated by IO.

- **Edit Policy Parameters Set**: This opens the Policy Parameters Set associated with the selected Plan.

- **Edit Plan Inputs**: This opens the existing IO Edit Plan Inputs screen, which allows you to:
  - **Edit IO Plan Options**
• Edit Service Level Set associated with the Plan

• Edit IMM Policy Parameters, grouped by Parameter type

• Launch Plan: This enables you to launch the IO Plan.

• Create Plan: This link enables you to create a new plan. When you create a new plan, you can associate it to an existing, or create a new Policy Parameters Set, Item Simulation Set, Assignment Set and Service Level Set.

Policy Planning

Under the Policy Planning section of the page, there are five links that related to various SPP areas:

• Edit Simulation Set: This enables you to view and edit a simulation set and update planning related properties, if required.

• Plan View: This link enables you to view the SPP Policy Plan within the SPP work area. From the work area, you can view the SPP Policy Plan details through the material plan and copy and relaunch the plan, as required.

  **Note:** When you create a new plan, the plan must be included in the scenario for its data to make it visible in the Policy Planning tab.

You need to select the Plan Name to view the plan.

Policy Planning Analytics

There are three seeded analytics in the Policy Planning dashboard:

• Plan Estimation

• Inventory Policy Execution

• Inventory Policy Monitoring

Plan Estimation Analytic

The Plan Estimation Analytic analyzes whether Items have sufficient inventory to meet their Target Service Levels. If Items do not have enough inventory to meet your requirements, this analytic helps you to understand the extent of shortage of Items required to achieve the necessary Target Service Levels.

The example of Plan Estimation Analytic below depicts the Analytic when seen by Category across the entire Plan Horizon and across all Orgs:
<table>
<thead>
<tr>
<th>Category</th>
<th>Target Service Level (%)</th>
<th>Estimated Service Level (%)</th>
<th>Estimated Stock</th>
<th>Uncovered Demand</th>
<th>Uncovered Variance (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HighPrio</td>
<td>95</td>
<td>92</td>
<td>42,255</td>
<td>3,380</td>
<td>8</td>
</tr>
<tr>
<td>MedPrio</td>
<td>80</td>
<td>86</td>
<td>24,276</td>
<td>2,913</td>
<td>12</td>
</tr>
<tr>
<td>LowPrio</td>
<td>85</td>
<td>87</td>
<td>44,884</td>
<td>5,835</td>
<td>13</td>
</tr>
</tbody>
</table>

This analytic displays the following measures:

<table>
<thead>
<tr>
<th>Measure</th>
<th>Origin</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Target Fill Rate (%)</td>
<td>Target Fill Rate (%): As specified in Policy Parameters and inherited in the setup plan.</td>
<td>This is an input measure into the SPP Plan through the IO Plan reference. It is non editable within SPP. Aggregation: Weighted Average based on Forecast Quantity.</td>
</tr>
<tr>
<td>Estimated Fill Rate (%)</td>
<td>This corresponds to the Service Level associated with the PAB value on a day.</td>
<td>This is calculated by the SPP Plan every day based on the PAB value for that day. Aggregation: Weighted Average based on Forecast Quantity</td>
</tr>
<tr>
<td>Estimated Stock</td>
<td>PAB value on a given day</td>
<td>This is the PAB value per day calculated within the Plan. Aggregation: Sum</td>
</tr>
<tr>
<td>Uncovered Demand</td>
<td>For the PAB on any day, this is the quantity of demand that may not be fulfilled (with reference to the forecast distribution relevant for the Item-org)</td>
<td>This is calculated by the Plan. Aggregation: Sum</td>
</tr>
</tbody>
</table>
Uncovered Variance (%) Corresponding to the PAB value, the probability that is uncovered (1-cumulative probability covered). This is calculated by the Plan Aggregation: Weighted Average based on Forecast Quantity.

This Analytic is viewable at different granularities. The list of distinct Analytics that are available at different granularities, and their drill-downs, is shown in the following table:

<table>
<thead>
<tr>
<th>Analytic Name</th>
<th>Dimension Level</th>
<th>Drill Down To:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Plan Estimation Analytic by Category</td>
<td>Category, All Orgs, All Time</td>
<td>2, 3, 6</td>
</tr>
<tr>
<td>2 Plan Estimation Analytic by Category and Org</td>
<td>Category, Org, All Time</td>
<td>3, 6</td>
</tr>
<tr>
<td>3 Plan Estimation Analytic by Category and Org by Day</td>
<td>Category, Org, By Day</td>
<td>5</td>
</tr>
<tr>
<td>4 Plan Estimation Analytic by Item and Org</td>
<td>Item, Org, All Time</td>
<td>5</td>
</tr>
<tr>
<td>5 Plan Estimation Analytic by Item and Org By Day</td>
<td>Item, Org, By Day</td>
<td>Supply/Demand screen within the SPP Plan for that Item/Org</td>
</tr>
<tr>
<td>6 Plan Estimation Analytic by Item</td>
<td>Item, All Orgs, All Time</td>
<td>4</td>
</tr>
</tbody>
</table>

You can also drill-down to the Supply/Demand Analysis screen within an SPP plan from the Analytics 4, 5, and 6 that are at the Item level.

Policy Plans have an Org and Item assigned to only a single Plan, although there are multiple Plans within the scenario associated with APCC. It is possible from the Analytic at the Item level to drill into the Supply / Demand Analysis screen in context of the Item and Org(s).

**Inventory Policy Execution Analytic**

The Inventory Policy Execution Analytic is a view into the current execution details associated with the plan. At the highest level of Aggregation, this analytic shows the following kind of data:
The following measures are available in the Inventory Policy Execution Analytic:

<table>
<thead>
<tr>
<th>Measure</th>
<th>Origin</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-Hand</td>
<td>The following measures are available in the Inventory Policy Execution Analytic:</td>
<td>On-Hand data is collected and used in the Plan</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aggregation: Sum</td>
</tr>
<tr>
<td>Scheduled Receipts</td>
<td>This is the sum of already created transactional orders: Purchase Orders, Purchase Requisitions and Internal Requisitions.</td>
<td>At the lowest level, drill into the Supply/Demand Analysis screen.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aggregation: Sum</td>
</tr>
<tr>
<td>Planned Orders</td>
<td>These are the Planned orders created within the current Plan.</td>
<td>At the lowest level, drill into the Supply/Demand Analysis screen.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Aggregation: Sum</td>
</tr>
</tbody>
</table>

This Analytic is viewable at different granularities. The list of distinct Analytics that are available at different granularities, and their drill-downs, is shown in the following table:

<table>
<thead>
<tr>
<th>Analytic Name</th>
<th>Dimension Level</th>
<th>Drill Down To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Policy Execution Summary by Category</td>
<td>Category, All Orgs, All Time</td>
<td>2,6</td>
</tr>
<tr>
<td>2 Policy Execution Summary by Category and Org</td>
<td>Category, Org, All Time</td>
<td>3,6</td>
</tr>
</tbody>
</table>
Inventory Policy Monitoring Analytic

An Items planner has visibility into whether his policy settings have been effective from an execution standpoint, by looking at past data. You can see:

- **Estimated Fill Rate %**: From the current Plan Data and assumed = Estimated Service Level %

- **Estimated Stock**: From the Current Plan Data and assumed = PAB (Projected Available Balance). This is the same measure calculated in the Plan Estimation Analytic.

- **Actual Fill Rate %**: From collected historical data = (Shipped Order Quantity)/ (Requested Order Quantity)

- **Actual Stock**: Actual On-Hand value available as of today

**Target Fill Rate %**: Target service level as per current policy

**Target Safety Stock**: Safety Stock required to meet Target Service Level %, and calculated as the “Safety Stock” value within the Plan – this needs to be exported out of the Plan for use in APCC.

A sample of this Analytic, as viewed at the highest level of granularity, might look as shown in the table below:
Note: The Actual Fill Rate and the Actual Stock values are calculated from Collected Data, not from a Plan.

The following measures are Item of the above Analytic:

<table>
<thead>
<tr>
<th>Measure</th>
<th>Origin</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Estimated Fill Rate% and Estimated Stock</td>
<td>Estimated Fill Rate% corresponds to the Service Level associated with the PAB value on a day. Estimated Stock is the PAB value on a given day.</td>
<td>None</td>
</tr>
<tr>
<td>Actual Fill Rate %</td>
<td>Must be calculated from collected historical delivery data. Refer to the following section.</td>
<td>Delivery data is the shipment data that will be collected from Oracle Shipping. The Actual Fill Rate % will be calculated based on this data. This is calculated daily</td>
</tr>
<tr>
<td>Actual Stock</td>
<td>Collected on-hand data</td>
<td>Current on-hand data.</td>
</tr>
<tr>
<td>Target Fill Rate % and Target Safety Stock</td>
<td>This is available from the SPP Plan</td>
<td>None</td>
</tr>
</tbody>
</table>

This Analytic is viewable at different granularities. The list of distinct Analytics that are available at different granularities, and their drill-downs, is shown in the following table:

<table>
<thead>
<tr>
<th>Analytic Name</th>
<th>Dimension Level</th>
<th>Drill Down To:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Category</th>
<th>Estimated Fill Rate</th>
<th>Estimated Stock</th>
<th>Actual Fill Rate</th>
<th>Actual Stock</th>
<th>Target Fill Rate</th>
<th>Target Stock</th>
</tr>
</thead>
<tbody>
<tr>
<td>HighPrio</td>
<td>95%</td>
<td>42365</td>
<td>92%</td>
<td>41027</td>
<td>98%</td>
<td>43703</td>
</tr>
<tr>
<td>MedPrio</td>
<td>90%</td>
<td>34562</td>
<td>90%</td>
<td>34562</td>
<td>92%</td>
<td>35330</td>
</tr>
<tr>
<td>LowPrio</td>
<td>85%</td>
<td>16345</td>
<td>87%</td>
<td>16730</td>
<td>90%</td>
<td>17305</td>
</tr>
</tbody>
</table>
Calculation of the Actual Fill Rate

Collected Shipment data is used to calculate the Actual Fill Rate. Shipments retain the original Requested Date of the Sales Order that they correspond to. Consider the following collected shipment/delivery data.

**Note:** EPS shipping refers to shipments as deliveries.
On each requested date, the fill rate is calculated as: Qty Delivered on Time/Total Qty Requested

Therefore, on:

- 1/1/2015, Actual Fill Rate % = 14/66 = 21.21%
- 1/2/2015, Actual Fill Rate % = 78/78 = 100%
- 1/3/2015, Actual Fill Rate % = 24/70 = 34.2%

The Actual Fill Rate is calculated at an Item/Org/Day level. Aggregation across Days, Orgs and Items are the weighted average, using the Quantity delivered on time as the weighting factor.

Thus, to aggregate the above calculations across Day 1, Day 2 and Day 3, the weighted average calculation is:

\[
(21.21\% \times 14 + 100\% \times 78 + 34.2\% \times 24) / (14+78+24) = 76\%
\]

**Collections Support**

Shipment/Delivery data required to calculate the Actual Fill Rate is collected from EBS. Legacy collects are also available to collect this data.
Understanding the Trade Analysis Dashboard

Introduction to the Trade Analysis Dashboard

Demantra Predict Trade Planning (PTP) allows users to create and track promotions and provides reporting capabilities. Through the integration of PTP and APCC, you can:

- Publish PTP-APCC Measures Workflows
- Promotion entities available in APCC
- Analyze data in the Trade Analyst Dashboard
- Analyze and report on upcoming promotions as well as view past performance. This includes viewing promotion data by tactic, promotion, retailer or product.

The Publish PTP-APCC measures workflows publish aggregate and detailed measures to APCC including:

- Plan measures at the aggregate level, visible in the RT S&OP dashboard
- Promotion measures at a detailed level, visible in the Trade Analyst dashboard

On the APCC side of the integration from the Sales and Operation Planning dashboard, the S&OP analyst creates custom reports and graphs, based on the promotion measure that are imported from PTP. Use the Analysis menu choice in the Sales and Operations Planning Dashboard to access the promotion dimensions and measures.
Using the Trade Analyst Dashboard

Detail promotion data measures are available in the Trade Analyst Dashboard, using the Trade Planner responsibility.

To access the Trade Analyst Dashboard:

1. Click Trade Analyst, Standard. This choice is near the bottom of your choices.
2. Click the Dashboards folder, then click Trade Analyst Dashboard.

The Trade Analyst dashboard opens.

The Trade Analyst Dashboard has six promotion analysis tabs plus a glossary. The tabs are organized to provide a specific type of information. You can select Baseline Plan, Retailer, Category, Promotion Group, and Time Periods. Each tab provides access to two to five reports and/or graphs. The tabs and the reports and graphs you can access from that tab are listed in the table below.
<table>
<thead>
<tr>
<th>Tab</th>
<th>Available Graphs and Reports</th>
</tr>
</thead>
<tbody>
<tr>
<td>Performance Overview</td>
<td>• Incremental Sales by Price Point graph</td>
</tr>
<tr>
<td></td>
<td>• Incremental Sales by Price Point report</td>
</tr>
<tr>
<td>Promotion Effectiveness</td>
<td>• Tactic and Price graph</td>
</tr>
<tr>
<td></td>
<td>• Tactic Effectiveness by Promotion Group report</td>
</tr>
<tr>
<td></td>
<td>• Tactic Effectiveness by Promotion Group graph</td>
</tr>
<tr>
<td>Top/Bottom Performers</td>
<td>• Top and Bottom Promotions by Cost Per Incremental Unit (CPIU) graphs</td>
</tr>
<tr>
<td></td>
<td>• Top and Bottom Promotions by Lift graphs</td>
</tr>
<tr>
<td></td>
<td>• Top and Bottom Promotions by Net Incremental Profit graphs</td>
</tr>
<tr>
<td>Promotion Detail</td>
<td>• Promotion by Retailer report</td>
</tr>
<tr>
<td></td>
<td>• Promotion by Tactic report</td>
</tr>
<tr>
<td></td>
<td>• Report by Promotion</td>
</tr>
<tr>
<td>Lift Decomposition</td>
<td>• Lift Decomposition by Promotion graph</td>
</tr>
<tr>
<td></td>
<td>• Lift Decomposition by Promotion report</td>
</tr>
<tr>
<td>Plan Comparison</td>
<td>• Compare Plans graph</td>
</tr>
<tr>
<td></td>
<td>• Compare Plans report</td>
</tr>
</tbody>
</table>

**Publishing from PTP to APCC**

There are two workflows for published the detail and aggregate promotion measures. The process is similar to the Demantra Publish S&OP-APCC Measures. There are two
branches:

- Plan measures at aggregate level - PTP-APCC Aggregate Measures Workflow
- All promotion measures at detail level - PTP-APCC Measures Workflow

The promotion flow is:

The process of publishing starts by running the PTP-APCC Measures Workflow. From there, you go to either the Sales and Operations Planning Dashboard or the Trade Analyst Dashboard. If you are in S&OP, view the Promotion Measures and Dimensions using the Analysis menu choice. If you are in the Trade Analyst dashboard, view the Trade Analyst Dashboard reports. You create custom reports and custom graphs from both dashboards.

The dimensions and hierarchies in APCC are:

- Promotion: Promotion Plan, Promotion
- Promotion: Promotion Scenario Promotion
- Item: Promotion Group, then Item
- Tactic
- Customer: Customer, Retailer

The promotion measures that are visible in the S&OP Analyst dashboard are:

- Base Volume
• Incremental Event Volume
• Total Event Volume
• Base Value
• Incremental Event Value
• Total Event Value
• Manufacturer List Price
• Regular Price
• Promoted Price
• Promotional Cannibalization Volume Forecast
• Promotional Cannibalization Value Forecast
• Promotional Pre-Post Effect Volume Forecast
• Promotional Pre-Post Effect Value Forecast
• Promotional Net Incremental Value Forecast

The detailed promotion measures that are visible in the Trade Analyst dashboard are:
• Promotion
• Tactic
• Item
• Site
• Org (optional)
• Date

Publishing to APCC generates a new APCC archive, which includes the promotion measures. All measures are plan-specific. The default plan names are:
• APCC-PTP (detail measures)
• APCC-PTP-A (aggregate measures)
Understanding Promotional Entities

You create custom reports and graphs based on the promotion measures that are imported from PTP.

Understanding Dimensions, Levels, and Hierarchies

Mandatory Dimensions, Levels, and Hierarchies

The table below lists the dimensions, levels, and hierarchies that are required to create your custom reports and graphs.

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Hierarchy/Level</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Promotion</td>
<td>Promotion Plan</td>
<td>2 level hierarchy</td>
</tr>
<tr>
<td></td>
<td>Promotion</td>
<td></td>
</tr>
<tr>
<td>Promotion</td>
<td>Promotion Scenario</td>
<td>2 level hierarchy</td>
</tr>
<tr>
<td></td>
<td>Promotion</td>
<td></td>
</tr>
<tr>
<td>Tactic</td>
<td>Promotion Tactic</td>
<td>Tactic level values are:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Feature Only</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Display Only</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Feature and Display</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Temporary Price Reduction (TPR)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• User provided additional tactics</td>
</tr>
<tr>
<td>Customer</td>
<td>Customer</td>
<td>Customer, Retailer is another hierarchy of the Account/Customer dimension</td>
</tr>
<tr>
<td></td>
<td>Retailer</td>
<td></td>
</tr>
</tbody>
</table>

Additional Dimensions, Levels, and Hierarchies

In addition to the required dimensions, level, and hierarchies, there are additional parameters available, including:

- Promotion measures, including those involved in calculations
Promotion Measures

APCC stores promotion data at the Item level. The three tables below list the promotion measures you require:

- Promotion aggregate measures
- Promotion attributes
- Promotion dimensions and levels

Note: The Organization dimension is not always part of a Demantra PTP implementation.

Detail Promotion Measures in the Trade Analyst and RT S&OP Dashboards

The table below lists the detail promotion measures in the Trade Analyst dashboard and the RT S&OP dashboard.

<table>
<thead>
<tr>
<th>Measure</th>
<th>Dimensions</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Promoted Price</td>
<td>Promotion, Tactic, Product, Org, Retailer, Time</td>
<td>Sale price of a promoted item/org for a retailer</td>
</tr>
<tr>
<td>List Price*</td>
<td>Product, Org, Retailer, Time</td>
<td>List price of a promoted item/org for a retailer</td>
</tr>
<tr>
<td>Shelf Price</td>
<td>Product, Org, Retailer, Time</td>
<td>Shelf price of a promoted item/org for a retailer</td>
</tr>
<tr>
<td>Sale Price</td>
<td>Product, Org, Retailer, Time</td>
<td>Similar to Promoted Price but Sale Price does not vary by Promotion</td>
</tr>
<tr>
<td>Lift</td>
<td>Promotion, Tactic, Product, Org, Retailer, Time</td>
<td>Lift in sales due to promotion</td>
</tr>
<tr>
<td>Metric</td>
<td>Description</td>
<td></td>
</tr>
<tr>
<td>--------------------------------------</td>
<td>--------------------------------------------------------------------------------------------------------------------------------------------</td>
<td></td>
</tr>
<tr>
<td>Fixed Cost*</td>
<td>Vehicle cost for the promotion</td>
<td></td>
</tr>
<tr>
<td>Buydown*</td>
<td>Buydown spend for the promotion</td>
<td></td>
</tr>
<tr>
<td>Event Spend*</td>
<td>Total planned spending for promotion, sum of buydown, vehicle costs, and slotting</td>
<td></td>
</tr>
<tr>
<td>Manufacturer Profit</td>
<td>Manufacturer's profit from the event</td>
<td></td>
</tr>
<tr>
<td>Incremental Manufacturer Profit*</td>
<td>Incremental profit to the manufacturer due to the promotion</td>
<td></td>
</tr>
<tr>
<td>CPIU*</td>
<td>Event cost per incremental unit sold as a result of the promotion</td>
<td></td>
</tr>
<tr>
<td>% Spend</td>
<td>Event spending, as a percentage of event sales</td>
<td></td>
</tr>
<tr>
<td>Promoted Price Planned</td>
<td>Planned Sale price of a promoted item/org for a retailer</td>
<td></td>
</tr>
<tr>
<td>Lift Planned</td>
<td>Planned Lift in sales due to promotion</td>
<td></td>
</tr>
<tr>
<td>Base Event Volume Planned*</td>
<td>Planned Expected base volume without a promotion</td>
<td></td>
</tr>
<tr>
<td>Incremental Event Volume Planned</td>
<td>Planned Incremental volume due to the promotion</td>
<td></td>
</tr>
<tr>
<td>Total Event Volume Planned</td>
<td>Planned Total volume of the promotion</td>
<td></td>
</tr>
<tr>
<td>Base Event Value Planned</td>
<td>Planned Expected base value without a promotion</td>
<td></td>
</tr>
<tr>
<td>Metric</td>
<td>Description</td>
<td>Formula/Note</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
<td>--------------</td>
</tr>
<tr>
<td>Incremental Event Value Planned*</td>
<td>Planned Incremental value due to the promotion, expressed as a currency</td>
<td></td>
</tr>
<tr>
<td>Total Event Value Planned*</td>
<td>Planned Total value of the promotion</td>
<td></td>
</tr>
<tr>
<td>Event Spend Planned*</td>
<td>Planned Total planned spending for promotion, sum of buydown, vehicle costs, and slotting</td>
<td></td>
</tr>
<tr>
<td>Mfg Profit Planned</td>
<td>Planned Manufacturer's profit from the event</td>
<td></td>
</tr>
<tr>
<td>Incremental Manufacturing Profit Planned *</td>
<td>Planned Incremental profit to the manufacturer due to the promotion</td>
<td></td>
</tr>
<tr>
<td>CPIU Planned*</td>
<td>Planned Event cost per incremental unit sold as a result of the promotion</td>
<td></td>
</tr>
<tr>
<td>% Spend Planned</td>
<td>Planned Event spending, as a percentage of event sales</td>
<td></td>
</tr>
<tr>
<td>Net Incremental Manufacturer Profit</td>
<td>Net incremental profit for the manufacturer, after considering cannibalization and pre- and post-effects</td>
<td></td>
</tr>
<tr>
<td>Price Decrease Level</td>
<td>Calculated as: $\frac{(\text{Shelf Price} - \text{Promoted Price})}{\text{Promoted Price}} \times 100$ rounded to nearest 5%</td>
<td></td>
</tr>
<tr>
<td>Price Discount Percentage</td>
<td>Calculated as: $\frac{\text{(Shelf Price – Promoted Price)}}{\text{Promoted Price}} \times 100$</td>
<td></td>
</tr>
<tr>
<td>Incremental Event Value*</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Manufacturer List Price*</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>
**Understanding the Trade Analysis Dashboard**

<table>
<thead>
<tr>
<th>Manufacturer Profit Planned</th>
<th>N/A</th>
<th>N/A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Regular Non-Promoted Price*</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Regular Price*</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Total Event Value*</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

* Measure is available in reporting currency.

**Detail Promotion Measures Used in Calculations of Aggregate Measures in S&OP**

The following table lists the detail promotion measures used in the calculations of aggregate measures in S&OP.

<table>
<thead>
<tr>
<th>Measure Used in Calculations</th>
<th>Dimensions</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Event Volume</td>
<td>Promotion, Tactic, Product, Org, Retailer, Time</td>
<td>Expected base volume without a promotion</td>
</tr>
<tr>
<td>Incremental Event Volume</td>
<td>Promotion, Tactic, Product, Org, Retailer, Time</td>
<td>Incremental volume due to the promotion</td>
</tr>
<tr>
<td>Total Event Volume</td>
<td>Promotion, Tactic, Product, Org, Retailer, Time</td>
<td>Total volume of the promotion</td>
</tr>
<tr>
<td>Base Event Value*</td>
<td>Promotion, Tactic, Product, Org, Retailer, Time</td>
<td>Expected base value without a promotion</td>
</tr>
<tr>
<td>Incremental Event Value*</td>
<td>Promotion, Tactic, Product, Org, Retailer, Time</td>
<td>Incremental value due to the promotion, expressed as a currency</td>
</tr>
<tr>
<td>Total Event Value*</td>
<td>Promotion, Tactic, Product, Org, Retailer, Time</td>
<td>Total value of the promotion</td>
</tr>
<tr>
<td>Promotional Cannibalization Volume Forecast</td>
<td>Promotion, Tactic, Product, Org, Retailer, Time</td>
<td>Reduction in volume to a non-promoted product as the result of a promotion</td>
</tr>
</tbody>
</table>
Promotional Cannibalization Value Forecast* | Promotion, Tactic, Product, Org, Retailer, Time | Reduction in revenue to a non-promoted product as the result of a promotion

Promotional Pre-Post Effect Volume Forecast | Promotion, Tactic, Product, Org, Retailer, Time | Reduction in volume before or after a promotion

Promotional Pre-Post Effect Value Forecast* | Promotion, Tactic, Product, Org, Retailer, Time | Reduction in revenue before or after a promotion

Promotional Net Incremental Volume Forecast* | Promotion, Tactic, Product, Org, Retailer, Time | Promotional Incremental Volume adjusted for Cannibalization and Pre-Post Effect

Promotional Net Incremental Value Forecast* | Promotion, Tactic, Product, Org, Retailer, Time | Promotional Incremental Value adjusted for Cannibalization and Pre-Post Effect

* Measure is available in reporting currency.

The promotion measures, which are visible in the S&OP Analyst dashboard, are listed below:

- Base Volume
- Incremental Event Volume
- Total Event Volume
- Base Value*
- Incremental Event Value*
- Total Event Value
- Manufacturer List Price*
- Regular Price*
- Promoted Price*
- Promotional Cannibalization Volume Forecast
- Promotional Cannibalization Value Forecast*
- Promotional Pre-Post Effect Volume Forecast
- Promotional Pre-Post Effect Value Forecast*
- Promotional Net Incremental Value Forecast*

* Measure is available in reporting currency.

**Aggregate Promotion Measures in APCC**

The table below lists the aggregate promotion measures in APCC.

<table>
<thead>
<tr>
<th>Measure</th>
<th>Dimensions</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>List Price</td>
<td>Product, Org, Retailer, Time</td>
<td>List price of a promoted item/org for a retailer</td>
</tr>
<tr>
<td>Shelf Price</td>
<td>Product, Org, Retailer, Time</td>
<td>Shelf price of a promoted item/org for a retailer</td>
</tr>
<tr>
<td>Sale Price</td>
<td>Product, Org, Retailer, Time</td>
<td>Similar to Promoted Price but Sale Price does not vary by Promotion.</td>
</tr>
<tr>
<td>Base Volume</td>
<td>Product, Org, Retailer, Time</td>
<td>Expected base volume without a promotion activityd to Item, Org, Cust, Week.</td>
</tr>
<tr>
<td>Incremental Event Volume</td>
<td>Product, Org, Retailer, Time</td>
<td>Incremental volume due to the promotion to Item, Org, Cust, Week.</td>
</tr>
<tr>
<td>Total Event Volume</td>
<td>Product, Org, Retailer, Time</td>
<td>Total volume of the promotion to Item, Org, Cust, Week.</td>
</tr>
<tr>
<td>Base Value</td>
<td>Product, Org, Retailer, Time</td>
<td>Expected base value without a promotion to Item, Org, Cust, Week</td>
</tr>
<tr>
<td>Incremental Event Value</td>
<td>Product, Org, Retailer, Time</td>
<td>Incremental value due to the promotion, expressed as a currencyd to Item, Org, Cust, Week</td>
</tr>
</tbody>
</table>

* Measure is available in reporting currency.*
<table>
<thead>
<tr>
<th>Measure</th>
<th>Dimensions</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Event Value</td>
<td>Product, Org, Retailer, Time</td>
<td>Total value of the promotion to Item, Org, Cust, Week</td>
</tr>
<tr>
<td>Promotional Cannibalization Volume Forecast</td>
<td>Promotion, Tactic, Product, Org, Retailer, Time</td>
<td>Reduction in volume to a non-promoted product as the result of a promotion to Item, Org, Cust, Week</td>
</tr>
<tr>
<td>Promotional Cannibalization Value Forecast</td>
<td>Product, Org, Retailer, Time</td>
<td>Reduction in revenue to a non-promoted product as the result of a promotion to Item, Org, Cust, Week</td>
</tr>
<tr>
<td>Promotional Pre-Post Effect Volume Forecast</td>
<td>Product, Org, Retailer, Time</td>
<td>Reduction in volume before or after a promotion to Item, Org, Cust, Week</td>
</tr>
<tr>
<td>Promotional Pre-Post Effect Value Forecast</td>
<td>Product, Org, Retailer, Time</td>
<td>Reduction in revenue before or after a promotion to Item, Org, Cust, Week</td>
</tr>
<tr>
<td>Promotional Net Incremental Volume Forecast</td>
<td>Product, Org, Retailer, Time</td>
<td>Promotional Incremental Volume adjusted for Cannibalization and Pre-Post Effect to Item, Org, Cust, Week</td>
</tr>
<tr>
<td>Promotional Net Incremental Value Forecast</td>
<td>Product, Org, Retailer, Time</td>
<td>Promotional Incremental Value adjusted for Cannibalization and Pre-Post Effect to Item, Org, Cust, Week</td>
</tr>
</tbody>
</table>

The aggregated promotion measures, listed below, are visible in the Answers area of the S&OP Analyst dashboard.

- Base Event Volume Aggregate
- Incremental Event Volume Aggregate
- Total Event Volume Aggregate
- Base Event Value Aggregate
- Incremental Event Value Aggregate
• Total Event Value Aggregate

• Promotional Cannibalization Volume Forecast Aggregate

• Promotional Cannibalization Value Forecast Aggregate

• Promotional Pre-Post Effect Volume Forecast Aggregate

• Promotional Pre-Post Effect Value Forecast Aggregate

• Promotional Net Incremental Volume Forecast Aggregate

• Promotional Net Incremental Value Forecast Aggregate

There are two additional Dimensions and levels:
• Promotion Plan: a group of promotions

• Promotion Group, also called Promotioned Product Group (PPG). This is a group of Items commonly promoted together. In Demantra, Promotion Groups are part of the product hierarchy (a parent of Item) and do not vary over time.

Understanding Promotion Analysis Reports and Graphs
You can view promotion information by Item, Tactic, Promotion, or Customer. Within these categories, can navigate or drill down to seeded promotion analysis and view seeded graphs. These reports and graphs let you
• Review promotions by retailer

• Review by groups of items promoted together

• Review by promotion tactic

• Review promotion tactic effectiveness by price and promotion group

• Review by top or bottom performers based on lift, profit, or cost

• Compare the base plan to one or more other plans

Seeded Tables

<table>
<thead>
<tr>
<th>Table</th>
<th>Navigate to/Drill to</th>
</tr>
</thead>
<tbody>
<tr>
<td>Promotion by Retailer</td>
<td>Detail by Retailer of Promotion Group</td>
</tr>
</tbody>
</table>

Understanding the Trade Analysis Dashboard 10-15
Seeded Graphs

The seeded graphs are:

- Incremental Sales by Price Point
- Tactic & Price
- Tactic Effectiveness by Promotion Group
- Life Decomposition by Promotion
- Top Promotions by CPIU
- Bottom Promotions by CPIU
- Top Promotions by Lift
- Bottom Promotions by Lift
- Top Promotions by Net Incremental Profit
- Bottom Promotions by Net Incremental Profit
- Compare Plan

Analyzing Promotion

There are several reports you can create to look at the effectiveness of your promotion. You can analyze it by tactic, the time of year you ran it, the product, the retailer, and so on, or you may want to assess the tactic and percent price decrease to show the most and least effective combination. Each tab on the Trade Analyst dashboard lets you choose the entities you wish to see in your report or graph.
This section provides examples of some of the numerous reports and graphs you can create.

**Tactic and Price Graph**

![Tactic and Price Graph](image)

**Tactic Effectiveness by Promotion Group Graph and Corresponding Report**
Incremental Sales by Price Point Graph & Report

Incremental Sales by Price Point and Promotion report and graph appear within the same page layout.
The corresponding report shows the baseline and incremental sales by price point.

Top and Bottom Promotions

These graphs respectively show Top and Bottom Promotions by:

- CPIU
- Lift
- Net Incremental Manufacturer Profit
Promotion by Retailer

In this report, you can review details by retailer or details for the items in the promotion group by drilling down from the Retailer or Promotion Group columns, respectively.

Lift Decomposition by Promotion Graph and Report

This example shows the Lift Decomposition by Promotion graph followed by the corresponding report.
Compare Plans

This example shows the Compare Plan graph followed by the corresponding report.
### Lift Chart

#### Lift Values

- APCC-PTP - Current
- APCC-PTP 04/04(21)
- FL_PTP_D - Current

#### Lift Table

<table>
<thead>
<tr>
<th></th>
<th>APCC-PTP - Current</th>
<th>APCC-PTP 04/04(21)</th>
<th>FL_PTP_D - Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Value (CAD)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incremental Event Value (CAD)</td>
<td>236,340</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total Event Value (CAD)</td>
<td>288,779</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Promotional Cannibalization Value Forecast (CAD)</td>
<td>-157,560</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Promotional Pre-Post Effect Value Forecast (CAD)</td>
<td>-295,425</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Promotional Net Incremental Value Forecast (CAD)</td>
<td>689,325</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lift</td>
<td>4</td>
<td>100</td>
<td>100</td>
</tr>
<tr>
<td>Event Spend (CAD)</td>
<td>131,598</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Manufacturer Profit (CAD)</td>
<td>157,181</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Incremental Manufacturer Profit (CAD)</td>
<td>104,742</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Net Incremental Manufacturer Profit (CAD)</td>
<td>557,727</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
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 2-24

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 2-23

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:
Accessing Embedded Demantra Worksheets

This feature allows you to access and update a Demantra worksheet without having to leave the APCC application. It is a variation of the Demantra Anywhere functionality, which allows an external user to log into Demantra. Using standard worksheet functionality, you can make adjustments to historical data or the statistical forecast, run simulations, and save any changes.

Enabling Demantra Anywhere

To log in to the Demantra Anywhere process, you need an Oracle Single Sign On (SSO) and both applications must be registered with the same SSO server.
Configuring Demantra Anywhere

1. Disable OBIEE SSO, log in to Answers as Administrator.

2. Create a new report and save (for example) in the Shared/Others folder.

3. Add Scenario, Item, Organization, Budget, and Budget

4. Change second Budget formula to:

   `<a href=""|valueof(NQ_SESSION.APPS_SERVLET_AGENT) \
   |'/MscObieeSrvlt?ParamType=Name&Wnd=DMA&QueryName=Export OBI \
   Data&CombinationName=Item,'|"- Item".Item|";Demand Class,'|"- \
   Demand Class"."Demand Class"|";Organization,'|"- Organization"." \
   Organization Code"|""> ></a>`

5. Set the data format to HTML.

6. Add narrative view with following content as prefix:

   `<a href="@{biServer.variables['NQ_SESSION.APPS_SERVLET_AGENT']} \
   /MscObieeSrvlt?ParamType=Name&=DMA&queryName=Export OBI Data"> Export 
   OBI Data</a>`

   After creating the custom report, you can run the report as described below.

Running the Report

To run the custom report, first enable OBIEE SSO, then open the report from any of the dashboards (for example, the Sales and Operations Dashboard). There is no limit on which applications can use embedded Demantra as long as they have the same SSO and can pass the relevant URL and context. The internal syntax for each application may differ in order to formulate the correct call to Demantra.

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 service that 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 process is not applicable anymore other than to ensure backwards compatibility and to support the Demantra Web Service profile.

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.
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.


10. Approve the Consensus Demand subprocess.

11. Run an Executive Review subprocess.

**Note:** APCC supports a custom product hierarchy from Demantra DM and custom series from Demantra DM and RTS & OP. APCC also supports plan-specific forecasting measures. For more information, refer to the chapter *Demantra Integration with Advanced Planning Command Center* in the *Oracle Demantra Implementation Guide*.

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.


**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:
<table>
<thead>
<tr>
<th>Task</th>
<th>Upload To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Release ASCP Recommendations</td>
<td>Upload Demand</td>
</tr>
<tr>
<td>Run ASCP Engine in Batch Mode</td>
<td>Upload Demand Class</td>
</tr>
<tr>
<td>Set ASCP Plan Options</td>
<td>Upload Demand Schedule/Supply Schedule</td>
</tr>
<tr>
<td>Run ASCP Collections</td>
<td>Upload Item</td>
</tr>
<tr>
<td>Run Demantra Collections - Currency Conversions</td>
<td>Upload Item Categories</td>
</tr>
<tr>
<td>Run Demantra Collections - Pricing Data</td>
<td>Upload Item Customer Mapping</td>
</tr>
<tr>
<td>Run Demantra Collections - Returns History</td>
<td>Upload Item Substitutes</td>
</tr>
<tr>
<td>Run Demantra Collections - SCI Data</td>
<td>Upload Item Supplier Flex Fence</td>
</tr>
<tr>
<td>Run Demantra Collections - Shipment and Booking History</td>
<td>Upload Job Operation Network</td>
</tr>
<tr>
<td>Run Demantra Collections - UOM Conversions</td>
<td>Upload Job Operation Resource</td>
</tr>
<tr>
<td>Run ODS Load</td>
<td>Upload Job Operation Resource Instance</td>
</tr>
<tr>
<td>Release DRP Results</td>
<td>Upload Job Operations</td>
</tr>
<tr>
<td>Run DRP Engine in Batch Mode</td>
<td>Upload Job Resource Requirements</td>
</tr>
<tr>
<td>Set DRP Plan Options</td>
<td>Upload Jobs</td>
</tr>
<tr>
<td>Run IO Engine in Batch Mode</td>
<td>Upload Location</td>
</tr>
<tr>
<td>Set IO Plan Options</td>
<td>Upload Manufacturing Resource</td>
</tr>
<tr>
<td>Get Promise Date</td>
<td>Upload Manufacturing Resource Instance</td>
</tr>
<tr>
<td>Copy Plan</td>
<td>Upload Network Routings</td>
</tr>
<tr>
<td>Purge Plan</td>
<td>Upload Order Types</td>
</tr>
<tr>
<td>Check Process Status</td>
<td>Upload Planner</td>
</tr>
<tr>
<td>Process</td>
<td>Function</td>
</tr>
<tr>
<td>------------------------------------------------------------------------</td>
<td>-----------------------------------</td>
</tr>
<tr>
<td>Release SRP Results</td>
<td>Upload Planning Calendar</td>
</tr>
<tr>
<td>Run SRP Engine in Batch Mode</td>
<td>Upload Planning Calendar Dates</td>
</tr>
<tr>
<td>Set SRP Plan Options</td>
<td>Upload Planning Calendar Exceptions</td>
</tr>
<tr>
<td>Assign Plan Name</td>
<td>Upload Planning Calendar Period Start Date</td>
</tr>
<tr>
<td>Check Demantra Workflow Status</td>
<td>Upload Planning Calendar Shifts</td>
</tr>
<tr>
<td>Run Demantra Workflow</td>
<td>Upload Planning Calendar Week Start Dates</td>
</tr>
<tr>
<td>Run Demantra Workflow with Context</td>
<td>Upload Planning Calendar Workday Pattern</td>
</tr>
<tr>
<td>Terminate Demantra Workflow</td>
<td>Upload Planning Calendar Year Start Date</td>
</tr>
<tr>
<td>Notify user</td>
<td>Upload Planning Organization Parameters</td>
</tr>
<tr>
<td>Get Process Information</td>
<td>Upload Planning Shift Dates</td>
</tr>
<tr>
<td>Get Activity Information</td>
<td>Upload Planning Shift Exceptions</td>
</tr>
<tr>
<td>Get Parameter Values</td>
<td>Upload Planning Shift Times</td>
</tr>
<tr>
<td>Update Process</td>
<td>Upload Planning Shifts</td>
</tr>
<tr>
<td>Set Activity Status</td>
<td>Upload Planning Simulation Set</td>
</tr>
<tr>
<td>Generate SNO Model</td>
<td>Upload Project</td>
</tr>
<tr>
<td>Publish SNO Results</td>
<td>Upload Project Task</td>
</tr>
<tr>
<td>Download Forecast</td>
<td>Upload Region Site</td>
</tr>
<tr>
<td>Download Safety Stock</td>
<td>Upload Regions</td>
</tr>
<tr>
<td>Upload Forecast</td>
<td>Upload Reservations</td>
</tr>
<tr>
<td>Upload Planned Supply</td>
<td>Upload Resource Capacity</td>
</tr>
<tr>
<td>Upload Safety Stock</td>
<td>Upload Resource Group</td>
</tr>
<tr>
<td>Action</td>
<td>Upload Resource Type</td>
</tr>
<tr>
<td>---------------------------------------------</td>
<td>-----------------------------------------------</td>
</tr>
<tr>
<td>Archive Plan</td>
<td>Resource Instance Capacity</td>
</tr>
<tr>
<td>Archive Scenario</td>
<td>Resource Instance Requirement</td>
</tr>
<tr>
<td>Upload Shipment and Booking History</td>
<td>Resource Requirement</td>
</tr>
<tr>
<td>Create PO Acknowledgement</td>
<td>Routing</td>
</tr>
<tr>
<td>Generate CP Exception</td>
<td>Routing Operation Resources</td>
</tr>
<tr>
<td>Publish Order Forecast</td>
<td>Routing Operation Sequence</td>
</tr>
<tr>
<td>Publish Supply Commit</td>
<td>Routing Operations</td>
</tr>
<tr>
<td>Receive Supplier Capacity</td>
<td>Sales Channels</td>
</tr>
<tr>
<td>Release CP Recommendations</td>
<td>Sales Orders</td>
</tr>
<tr>
<td>Retrieve Exception from CP</td>
<td>Serial Numbers</td>
</tr>
<tr>
<td>Retrieve Notifications from CP</td>
<td>Shipment Method</td>
</tr>
<tr>
<td>Retrieve transactional data from CP</td>
<td>Sourcing History</td>
</tr>
<tr>
<td>Retrieve VMI Status</td>
<td>Sourcing Rule</td>
</tr>
<tr>
<td>Run VMI Engine</td>
<td>Sourcing Rule Assignments</td>
</tr>
<tr>
<td>Upload Supplier Commit</td>
<td>Sourcing Rule Details</td>
</tr>
<tr>
<td>Run Planning Data Pull</td>
<td>Subinventory</td>
</tr>
<tr>
<td>Upload ABC Class</td>
<td>Supplier Capacity</td>
</tr>
<tr>
<td>Upload Approved Supplier List</td>
<td>Supply</td>
</tr>
<tr>
<td>Upload Available to Promise Rule</td>
<td>Trading Partner Contacts</td>
</tr>
<tr>
<td>Upload Bill of Material</td>
<td>Trading Partner Sites</td>
</tr>
<tr>
<td>Upload Bill of Material Component Substitutes</td>
<td>Trading Partners</td>
</tr>
</tbody>
</table>
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.
This appendix covers the following topics:

- Overview of APCC Standalone and Backport Capabilities
- Dependencies and Interactions
- Backport and Standalone Configuration
- Profile Options
- Setups and Processes
- 12.1 Data Loads To and From APCC Fact Repository

Overview of APCC Standalone and Backport Capabilities

Oracle Advanced Planning Command Center integration with APS 11.5.10 enables users of 11.5.10 APS (ASCP, IO, or Demantra) to leverage key capabilities, such as:

- analytical capabilities
- plan archives
- scenario management

APCC provides a format for all your analytical and reporting requirements. It incorporates an open interface with which to feed external data into APCC’s fact data repository. The integration of APCC with APS 11.5.10 allows legacy systems or third party planning systems, including Oracle Rapid Planning solutions that are deployed on different instances to use a single APCC repository.

This enables an out-of-the-box integration of an 11.5.10 APS instance with an APCC 12.1.2 instance.

The following diagram compares the configurations of APCC 1.0 and 2.0.
Setups and Processes

When setting up your standalone or backport system, two separate scenarios are possible:

- APCC version 12.1 or higher and APS on 11.5.10. In this scenario, drill-downs into Demantra, IO, and ASCP are not supported.

- APCC and APS are on the same instance, 12.1 or higher: In this scenario, drill-downs into Demantra, IO, and ASCP are supported.

Changed Setup Steps for IO and ASCP

1. In the Parameters window, turn on the Export to Advanced Planning Command Center plan launch parameter.

2. Run Archive Plan Summary concurrent program with two variations: All summarized fact data is updated across the database link in a 12.2 instance.

   **Note:** A parameter, APCC Instance Code, is defaulted from the new profile MSC: APCC Instance. Demantra unpublished data historical facts or other forecast facts are not updated in the 12.2 instance.

3. On the destination instance, launch the program to re-compute the aggregates based on the archive plan summary.

Changed Setup Steps for Demantra

There is a new publish workflow, which, includes the ability to archive. The default is Yes.
Dependencies and Interactions

The integration of 11.5.10 and the standalone has some limitations. These include:

- If APCC is running on 12.1 or higher and APS is running on 11.5.10, the integration applies only to Oracle Demantra, Oracle Inventory Optimization (IO), and Oracle Advanced Supply Chain Planning (ASCP). Drill-downs into these applications are not supported. However, if APCC and APS are both running on the same instance, 12.1 or higher, drill-downs into Demantra, IO, and ASCP are supported.

- The source/EBS instances must be configured correctly and collections must be run into both APS 11.5.10 and APCC 12.1 instances if the integration is to work successfully.

- The integration does not support Oracle Strategic Network Optimization (SNO).

- Planning Web Services and BPEL Processes are not enabled for these plans.

Backport and Standalone Configuration

To run 11.5.10 and the APCC standalone successfully, your instances must meet some key criteria. They are:

- APCC 12.1 instance must be configured to have the same source instances as are in the APS 11.5.10 instances, with the exact instance codes.

- On APS 11.5.10 instance, it is best if Demantra is version 7.2.0.2 for a complete integration. However, if you are integrating an earlier version integration would still work for Supply Chain (ASCP) related metrics but not for Sales & Operations Planning metrics or historical facts that are sourced from Demantra Real Time Sales & Operations Planning (RTS&OP).

- The collections must be run into both 12.1 and 11.5.10 instances.

  Note: There is a new feature in APS 11.5.10 which automates this procedure by setting a new collections parameter, Synchronize Collected Data in R12.1 Instance, in the 11.5.10 instance.

The diagram below provides a high level view of the configuration:
Profile Options

Profile options for the backport and standalone versions of APCC must be set up as follows:

- **MSC: APCC Instance Code.** This profile option is used by the archive plan summary program to push the plan summary from the 11.5.10 Planning Server to the APCC Server. It needs to be set up only on the APS 11.5.10 Instance. The value of this profile option must be the name of the database link in the APS 11.5.10 instance that points to the APCC 12.1 instance.

The remaining profile options that are set up for APCC in the 12.1 instance must be replicated in the APS 11.5.10 instance with identical values:

- **MSC: APCC Calendar Code**
- **MSC: APCC Category Set 1**
- **MSC: APCC Category Set 2**
- **MSC: APCC Category Set 3**
- **MSC: APCC Currency Code**
- **MSC: APCC Period Set Name**
• MSC: APCC Instance Code

• The name of the database link in the 11.5.10 server to the 12.1 APCC instance. The Archive Plan Summary program uses this name to push the plan summary from the 11.5.10 Planning Server to the APCC Server. It needs to be set up only on the APS 11.5.10 instance.

For additional information about setting up profile options, refer to Setting Up Profile Options in Chapter 4 of this User’s Guide.

Setups and Processes

There are two possible scenarios when you are setting up APCC backport or standalone:

• APCC instance is 12.1 or higher and APS instance is 11.5.10.
  
  In this scenario, drill-downs into Demantra, IO, and ASCP are not supported.

• APCC and APS are on the same instance, 12.1 or higher.
  
  In this scenario, drill-downs into Demantra, IO, and ASCP are supported

Integration with 11.5.10

11.5.10 Out-of-Box

For the 11.5.10 customers, there is a complete, out-of-box integration to a separate, standalone 12.2 APCC instance. The key assumptions and limitations that apply in this case are:

• All dimensions are collected or loaded using legacy upload, into the APCC instance.

• The EBS source instance setups, including instance codes, are identical in 11.5.10 and 12.2 instances.

• The drill-downs into ASCP, IO, and Demantra are not supported.

• This scenario is available for Demantra, Oracle Demand Planning (ODP), ASCP and IO only.

ASCP and IO Integration

For ASCP and IO plans, there is a new plan launch parameter, Export to Advanced Planning Command Center. The available values are Yes and No. The default is No.

Note: If the Set to Display KPI Indicators plan option is set to No, the
Export to Advanced Planning Command Center parameter must also be set to No. It cannot be updated.

When the Export to Advanced Planning Command center parameter is set to yes, perform the steps below:

1. 1. Run Archive Plan Summary concurrent program with two variations.
   a. All summarized fact data will be updated across the database link in a 12.2 instance. A new parameter, APCC Instance Code, will be defaulted from a new profile option, MSC: APCC Instance.
   b. Demantra unpublished data, such as historical facts or other forecast facts, will not be updated in the 12.2 instance. A new parameter, Publish All Demantra Facts, will be defaulted to No.

2. On the destination instance, launch the program to recompute the aggregates based on the above archive plan summary.

Demantra and Oracle Demand Planning

The publish workflow for Demantra is not changed. You must manually run the archive plan summary concurrent program, which will have the same new parameters as ASCP and IO by giving the Demand Scenario designator. This applies to ODP as well because the underlying data model is similar. However, in ODP, the parameter used to publish Demantra unpublished data, historical facts, and other forecast streams, must be set to No.

Integration Process

To achieve a successful integration, you must perform the processes and steps below:

1. Launch the collection from the EBS/Source system.

2. Set up all the required profiles for the APCC 12.1 integration.
   2a. For Demantra forecast metrics and historical facts, manually launch the Archive Plan Summary program.
   2b. For ASCP and IO metrics, the integration is automated by a plan launch parameter named "Export to APCC.

3. Optionally, you can clean up a specific version or all versions of a plan using the Purge Plan summary concurrent program. The Purge Plan summary program cleans up your data for that plan or version in both the 11.5.10 and the 12.1 instances.

A summary or the process is shown in the diagram below.
Note: This integration does not add any additional latency for the plan itself to be available in the APS 11.5.10 planner workbench.

On APS 11.5.10 instance, the ASCP and IO Launch Plan concurrent program has a parameter named Export to APCC. This launches the Archive Plan Summary program internally for the current plan with the following default values:

- Plan = Current plan name
- Keep Archived Versions = No
- Publish All Demantra Facts = No

When set to Yes, it triggers the Archive Plan Summary Program and creates a new archive of the plan on the APCC 12.1.
You can also launch the Archive Plan Summary program manually for any plan to publish the summary for analysis in APCC on the 12.1 instance. The parameters are:

- **Plan**: Plan name to archive.

- **Keep Archived Versions**: Enables users to create a new version for the plan, keeping earlier published versions. If this option is set to Yes, every plan run creates a new version on the APCC 12.1 server. This is the default behavior when launched directly from launch plan with export to APCC set to Yes.

- **Publish All Demantra Facts**: Enables the user to publish all historical facts and forecast metrics from Demantra. If this option is set to Yes, all the other forecast metrics, other than consensus forecast, historical facts from Demantra are published to APCC 12.1 instance together with this plan.

**Integration with 11.5.10 Purge Plan Summary**

From APS 11.5.10 instance you can launch the concurrent program Purge Plan Summary to purge the facts of a plan, or a specific version of a plan, from both the APS 11.5.10 and APCC 12.1 instances. There is also a Purge Plan Summary program on 12.1 instance that you can launch independently, as shown below:
To launch the 11.5.10 launch process:

1. Launch collection from the EBS/Source system.
   
   **Note:** You can automate this process by making the collections in the APS 11.5.10 instance synchronize the data in APCC 12.1 instance. This is accomplished by setting the collections parameter in the APS 11.5.10 with the parameter Synchronize Collected Data in 12.1 Instance. This must be completed before the archive plan summary is launched on the 11.5.10 instance.

2. Set up all the required profiles for the APCC 12.1 integration.
3. Create scenarios.
4. Assign plans to these scenarios to enable comparisons in APCC reports and dashboards.
5. Optionally, you can clean up a specific version or all versions of a plan using the Purge Plan summary concurrent program. The Purge Plan summary program cleans up your data for that plan or version in both the 11.5.10 and the 12.1 instances.

**Integration with 12.1**

To launch 12.1 integration, follow the processes below:
1. Launch collection from the EBS/Source system.

2. Set up all the required profiles for the APCC 12.1 integration.

3. Create scenarios.

4. Assign plans to these scenarios to enable comparisons in APCC reports and dashboards.

A summary of the process is shown in the diagram below.

12.1 Data Loads To and From APCC Fact Repository

Import User Interface

A new menu entry under the Advanced Planning Scenario Manager, named Load Fact Data From External Systems, accesses the Load Fact Data page. The data you load, using .csv file format, can be from either a legacy planning application or files that are exported from another 12.2 or 11.5.10 planning application.

You also have the option to upload the data using Id’s for all entities, subject to the
condition that the same source ERP instance. If you choose this option, you must:

- Apply the same instance code to the uploaded file.
- The instance codes that are available in the files are also set up in the target instance with the same name
- All necessary master data, such as organizations, items, resources, must be available in that target instance with the appropriate source instance code.

There are three methods available for uploading your data:

1. Append to latest version: This option allows you to append with or without an overwrite date. You will receive an error if your plan is not named.

   If you choose append to latest version with no overwrite date, the application adds the uploaded data to the latest version.

   If you choose append to latest version with overwrite date, the applications deletes all data for that entity after the overwrite date in the latest version and then uploads the data to the latest version. This is useful when uploading historical data, for example, shipment history.

   **Note:** Don't forget to name your plan. In the append method of uploading your data, you will receive an error if the plan is not named.

- Replace latest version: This option deletes all data for that entity in the latest version and uploads the data to the latest version. When you use this method to
Upload your data, you must create a new plan if there is not a plan with the same name.

- 3. Create new version: This option creates a new version by using the current date and the next sequence number.

In any plan, only one file can be loaded per entity. You do not need to load data for all twelve entities at the same time. When you do upload more than one file at a time, however, the upload method you have chosen applies to all files.

You can identify the plans created by the Load Fact Data page with a flag. Use this flag to ensure that:

- These plans are never displayed in any application except the APCC dashboards.
- The Append and Replace functions only work with these special plans and not regular plans.

The following list of categories is available for bulk upload directly into the APCC fact data repository. The table indicates the metrics that are grouped into each category and the fact table that stores the data.

<table>
<thead>
<tr>
<th>Category</th>
<th>Fact Table</th>
</tr>
</thead>
<tbody>
<tr>
<td>Supplies</td>
<td>MSC_SUPPLIES_F</td>
</tr>
<tr>
<td>Demands</td>
<td>MSC_DEMANDS_F</td>
</tr>
<tr>
<td>Demands (Cum)</td>
<td>MSC_DEMANDS_CUM_F</td>
</tr>
<tr>
<td>Historical facts</td>
<td>MSC_DEMANTRA_ODS_F</td>
</tr>
<tr>
<td>Forecasting</td>
<td>MSC_DEMANTRA_F</td>
</tr>
<tr>
<td>Exceptions</td>
<td>MSC_EXCEPTIONS_F</td>
</tr>
<tr>
<td>Order Details (due)</td>
<td>MSC_ITEM_ORDERS_F</td>
</tr>
<tr>
<td>Order Details (start)</td>
<td>MSC_ITEM_WIPS_F</td>
</tr>
<tr>
<td>Resources</td>
<td>MSC_RESOURCES_F</td>
</tr>
<tr>
<td>Suppliers</td>
<td>MSC_SUPPLIERS_F</td>
</tr>
<tr>
<td>Inventory facts</td>
<td>MSC_ITEM_INVENTORY_F</td>
</tr>
</tbody>
</table>
In the event that there is an error during your upload, such as invalid master data reference or invalid date range, the error is logged in the concurrent request log file and the data upload process continues to the next row without stopping.

### Importing the Plan Summary

A new concurrent program, Import Plan Summary, is available in 12.2 only for users of 12.1 that enables you to import the summarized fact data from other legacy planning systems or from other versions of APS. The concurrent program has the following parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Valid Values</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan Name</td>
<td>All plans</td>
<td>Required</td>
</tr>
<tr>
<td>Plan Version</td>
<td>Versions of the plan</td>
<td>Required</td>
</tr>
<tr>
<td>Plan Type</td>
<td>• Advanced Supply Chain</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Inventory Optimization</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Distribution</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Service Parts</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Strategic Network Optimization</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Demand Scenario</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Rapid Planning</td>
<td></td>
</tr>
<tr>
<td>File Location</td>
<td>Directory name where the exported files will be written to. The system will expect the file names to be in the standard format of TABLE_NAME.csv (like MSC_ST_ITEM_ORDERS_F.csv)</td>
<td></td>
</tr>
<tr>
<td>Organization</td>
<td>Optional. Plan Owning organization</td>
<td></td>
</tr>
<tr>
<td>Plan Start Date</td>
<td>Optional</td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>----------</td>
<td></td>
</tr>
<tr>
<td>Plan Cut off date</td>
<td>Optional</td>
<td></td>
</tr>
<tr>
<td>Supplies – Overwrite after</td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Demands – Overwrite after</td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Demands (cum) – Overwrite after</td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Historical facts – Overwrite after</td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Forecasting – Overwrite after</td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Exceptions – Overwrite after</td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Orders (start) – Overwrite after</td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Orders (due) – Overwrite after</td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Resources – Overwrite after</td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Suppliers – Overwrite after</td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Inventory – Overwrite after</td>
<td>Date</td>
<td></td>
</tr>
<tr>
<td>Excess – Overwrite after</td>
<td>Date</td>
<td></td>
</tr>
</tbody>
</table>
# Export Plan Summary

A new concurrent program "Export Plan Summary" will be made available in 12.2 only for users to be able to export the summarized fact data from APCC repository. The concurrent program will have the following parameters:

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Valid Values</th>
<th>Default Vault</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plan Name</td>
<td>All plans</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Plan Version</td>
<td>Version of the plan</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td>Plan Type</td>
<td>Advanced</td>
<td>Required</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Supply Chain Plan</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Inventory Optimization</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Distribution Plan</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Service Parts Plan</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Strategic Network Optimization</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Demand Scenario</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Rapid Plan</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Export Complete</td>
<td>Yes / No</td>
<td>No</td>
<td>Will control if all the</td>
</tr>
<tr>
<td>Demantra Data</td>
<td></td>
<td></td>
<td>Demantra facts (historical</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>data, unpublished forecasts) are exported</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Directory name where the exported files will be written to.</td>
</tr>
</tbody>
</table>
Other Impacts

In the 12.2 APCC instance, the imported plan summaries (either through UI or the import concurrent programs) will be flagged internally to distinguish them from other plans that are natively created in the APCC instance.

These imported plans and plan-runs will be available for creating new scenarios in APCC and in all plan list of values in all dashboard in APCC. They will not be available for attaching to any BPEL processes in APCC or in any of the individual applications or workbenches in the 12.1 instance.

APCC Integration with Oracle Distribution Planning

Value Chain Planning users who use Oracle Distribution Planning (DRP) are able to analyze their DRP plan outputs in APCC. You can publish your DRP plans to APCC and enable summarization and archival of these plans. You can also build scenarios using these DRP Plans in the Advanced Planning Scenario Manager User Interface of APCC.

**Note:** DRP plans are not accessible from the seeded Supply Chain Analyst Dashboard or in any of the seeded reports. However, they can be enabled in any new custom report.

The flow of information from DRP to APCC is shown in the diagram below:
Archiving a Plan Summary

To bring your DRP plan into APCC, you need to manually run the Archive Plan Summary program. This concurrent program accepts the Plan, Keep archived version parameter. Valid values are Y or N. You can launch this program for DRP plans with the same version and archiving capability as plan types ASCP, SNO, IO, and SPP.

**Note:** There is no plan option that enables launch of archive plan summary after every plan run. You need to manually launch this program or schedule, if appropriate.

You can use the plan option Calculate Key Performance Indicators to determine whether to trigger archival of DRP plan during its plan run. If this is set to Yes, then after the plan run, archive plan summary is launched automatically for that plan. The default is No.

When a DRP plan is launched, you have the option to keep the previous version of the plan archive or overwrite the previous version with the current version. You do this by using the new plan launch parameter Archive Current Version of Plan Summary, similar to ASCP Plans. The default is No.
Once the archive plan summary is completed, you can access the following measures
for this DRP plan in Oracle Business Intelligence – Enterprise Edition (OBI-EE). For
information on archiving plans and scenarios, see Archiving Plans and Scenarios in
Chapter 4 of this document. For information on the archiving procedures, see Archiving
Scenarios in Chapter 2 of this document.

Existing Base Measures:

- Order Quantity (includes all DRP order types)
- Exceptions count (all DRP exception types)
- Exceptions value (all DRP exception types, reporting/functional currencies)
- Inventory Turns
- Scheduled Receipts
- On hand
- Carrying Cost (reporting/functional currencies)
- Purchasing Cost (reporting/functional currencies)
- Total Supply Chain Cost (reporting/functional currencies)
- Revenues (reporting/functional currencies)
- Gross Margin (reporting/functional currencies)
- Gross Margin %

New Base Measures:

- Maximum Inventory Level (Units) – [valid Dim – Item/Org]
- Maximum Inventory Level (Days of Supply) [valid Dim – Item/Org]
- Target Inventory Level (Units) [valid Dim – Item/Org]
- Target Inventory Level (Days of Supply) [valid Dim – Item/Org]

Calculated Measures:

- Total Supply
- Total Demand
- Projected Available Balance (units, value in reporting/functional currencies and
days of supply)
• Fill Rate

Purging a Plan Summary

The Purge Plan Summary program, which lets you purge unused plans and their archives, is enabled for DRP. There are no changes to the standard dimension or hierarchies. The following lists the dimensions that are relevant for the measures supported for DRP plan:

• Plan
• Item
• Organization
• Time
• Customer
• Supplier
• Demand Class
• Order Type
• Exception Type

The mapping of the measures to the dimensions they support remains unchanged. For information on the purging plans and scenarios, see Purging Scenarios in Chapter 2 of this document. For information on measures and the dimensions they support, see Chapter 4 of this document, Understanding the Advanced Planning Analytical Framework.

Distribution Planning Profiles

DRP plans support the current APCC profile settings of the following profiles:

• MSC: APCC Calendar Code
• MSC: APCC Period Set Name
• MSC: APCC Currency Code
• MSC: APCC Category Set 1
• MSC: APCC Category Set 2
• MSC: APCC Category Set 3

These settings control the time dimensions, item dimensions and the measures. For more information about APCC profiles, see Chapter 4 of this document, Understanding
the Advanced Planning Analytical Framework.

Exporting and Importing a Plan Summary

You can deploy APCC in a standalone mode where you can integrate third party planning systems into it. In this mode you can use APCC as a central tool for understanding global supply chain planning deployments that include other legacy products. To enable this, you can import/export facts directly into APCC repository.

DRP plans are enabled in the two concurrent programs 'Export Plan Summary' and 'Import Plan Summary' so that you can download the measures listed above and upload all measures to APCC.

For more information about APCC standalone, refer to sections earlier in this appendix.
Real-Time Planning in APCC

As part of the next generation planning platform, APCC has a more real-time, event-based planning and execution system. This platform provides planners with more real-time visibility into real world changes that are occurring both within and outside the enterprise. With this knowledge, you can react and, if necessary, correct your plan before making any planning decisions.

The platform provides the ability to:

- Capture key real-time events in the supply chain – both internal and external.
- Define a set of business rules to filter, validate, and process each event.
- React in real-time to the events, such as exceptions, alerts, and user actions.
- Analyze these exceptions across plans or runs – to see trends, do an age-analysis, and so on.

A set of pre-seeded business events triggers workflows or processes that are validated against a set of user-defined rules. The rules include conditions that qualify the event as one that the planner is interested in viewing in real-time. There is a trade-off between having too many of those events, which could potentially increase the nervousness in the plan, versus too few events, which could lead the planner into making decisions on stale data.

Real-Time Planning Use Case

An example of a typical use case of real-time planning within an enterprise is outlined below:

- Starts off with a supply chain plan P1 based on a consensus forecast from Demantra.
• A key component supplier likely to delay a major delivery (change in promise date).

• The new due date on the Purchase Order is immediately reflected in APCC repository.

• Alert generated in APCC based on a custom iBot that compares plan with real-time data.

• User looks at iBot, talks to supplier, makes a note in APCC with plan, item, period context.

• The iBot also generates a real-time exception which is then visible in APCC.

• Optionally, the iBot can trigger a re-plan (in Rapid Planning) to analyze the full impact of the delay in the Purchase Order. The user can simulate an offload to alternate in a new version of the plan (P2) in Rapid Planning.

• A comparison of the two versions of the plan (P1 & P2) is done in Rapid Planning (or Advanced Planning Command Center).

• Plan P2 found better overall on metrics of fill rate versus gross margin. Resolution implemented.

**Process Flow**

All real-time updates and events are recognized when the source system, such as ERP, or Legacy, updates APS Operational Data Store (ODS) either through a batch collection program or a synchronous web service call.

The updates can be any of the following types:

• Changes to due dates of open orders

• New orders, cancellations, changes to qty

• Updates to performance history on bookings, shipments, production and inventory

**Collected Data in APCC**

The following measures, which currently exist for a plan, are enabled for collected data in APCC:

• Total Supply

• Total Demand

• Schedule Receipts
• On-hand
• Order Quantity
• Resource Availability
• Resource Requirements
• Net Resource Availability
• Cum Net Resource Availability
• Resource utilization %
• WIP start quantity

The concurrent program, Refresh Collected Data in APCC Repository, refreshes the APCC repository. The parameters for the concurrent program are:
• Instance (required).
• Complete. Valid values are Yes or No.
  Yes: a full refresh of the repository is carried out.
  No: an incremental refresh of the collected data is carried out.

The date range of the collected data that is available in APCC depends on the following two profile options:
• MSC: Horizon for APCC Collected data - Forward days
• MSC: Horizon for APCC Collected data - Backward days

**Incremental Updates to Real-Time Data**

In case of an incremental refresh, the logic is:
1. Identify the items or resources that have changed.
2. Rebuild the APCC repository for those items only, for all measures.
3. Rebuild all pre-aggregated data that are impacted by these items.
## Index

### A

accessing  
- item simulation set, 5-82

activities  
- editing, 2-23  
- page, 2-19, 2-19  
- working with, 2-19

activities page  
- accessing, 2-19  
- understanding, 2-19

actual fill rate  
- calculation, 9-11

Advanced Planning Command Center  
- overview, 1-1, 1-1  
  - collaborative workspaces, 1-2  
  - dashboards, 1-2  
  - date security, 1-7  
  - Executive Summary report as a portlet, 1-6  
  - scenarios, 1-1  
  - web services, 1-2  
  - work list, 1-6

advanced planning suite  
- web service, 3-5

advanced supply chain planning  
- web service, 3-4

allocating bucketed quantities  
- Material Plan, 5-47  
- Resource Plan, 5-72

analytics  
- inventory policy execution, 9-7

inventory policy monitoring, 9-9  
- plan estimation, 9-5  
- Policy Planning, 9-5

Anywhere  
- Demantra, A-7

APCC  
- DRP profiles, B-19  
- integration with DRP, B-16  
- plan details, 5-18

APCC Backport, B-1

APCC standalone, B-1

archive plan summary  
- in plan details, 5-9

Archive Plan Summary  
- defining data, 4-58  
- dimensions, 5-10  
- facts, 5-10  
- fine tuning data, 4-58  
- introduction, 4-58

archiving  
- scenarios, 2-13

### B

backport  
- dependencies and interactions, B-3, B-3  
- integration of 11.5.10, B-5  
- integration of ASCP and IO, B-5  
- profile options, B-4  
- setups and processes, B-5

BPEL process  
- Forecast, Inventory, and Supply Planning, A-1  
- Forecast and Supply Planning, A-2, A-4, A-8,
A-9, A-11, A-12, A-13
Sales and Operations Planning, A-14, A-16
Build Plan report
Inventory Analysis page, 5-134

C
collections
  web service, 3-6
copying
  scenarios, 2-12
creating
  scenarios, 2-10
  scenario sets, 2-17
Custom business processes
  Sales and Operations Planning, A-17
cvs file
  uploading, 4-11, 4-14, 4-14
Cycle Stock
  reports, 5-10

D
dashboard
  sales and operations planning
    demand review, 6-2
    understanding, 6-1
  supply chain analyst, 5-1
    understanding, 5-1
  supply chain risk management
    executive review, 7-6
    inventory analysis, 7-11
    understanding, 7-1
data loads
  APCC fact repository, B-10
days of cover by categories
  historical performance, 5-104
defining data
  Archive Plan Summary, 4-58
demand and supply
  demand and supply summary, 5-40
  demand and supply trend across plans, 5-42
  demand and supply trend baseline plan, 5-43
  demand change by customers, 5-40
  page level filters, 5-39
  supply change by categories, 5-41
  total demand by customers baseline plan, 5-44
  total supply by categories baseline plan, 5-45
  understanding, 5-38
  using, 5-38
demand and supply summary
  demand and supply, 5-40
  plan health summary, 5-19
  scenario analysis, 5-124
demand and supply trend across plans
  demand and supply, 5-42
demand and supply trend across scenarios
  scenario analysis, 5-124
demand and supply trend baseline plan
  demand and supply, 5-43
demand change by customers
  demand and supply, 5-40
demand pegging - baseline plan
  scenario analysis, 5-121
demand review
  sales and operations planning
    dashboard, 6-2
demantra
  web service, 3-8
Demantra
  Anywhere, A-7
dimensional model
  end item, 4-6
  parent model, 4-6
distribution planning
  web service, 3-9
DRP
  integration with APCC, B-16
  profiles supported by APCC, B-19

E
editable fields
  item simulation set, 5-82
editing
  activities, 2-23
  item simulation set, 5-82
Material Plan, 5-47
Resource Plan, 5-72
scenarios, 2-12
scenario sets, 2-18
exceptions
  exceptions summary, 5-93
  exceptions summary by category, 5-94
  exceptions summary by organization, 5-95
page level filters, 5-92
rescheduled orders by suppliers, 5-96
understanding, 5-91
using, 5-91
exceptions summary
exceptions, 5-93
exceptions summary by category
exceptions, 5-94
exceptions summary by organization
exceptions, 5-95
exception summary
plan health summary, 5-21
scenario analysis, 5-126
executive review
supply chain risk management
dashboard, 7-6
Executive Summary report
as a portlet, 1-6
exporting
a plan summary in DRP, B-20

F
features
Material Plan, 5-47
Resource Plan, 5-72
fine tuning data
Archive Plan Summary, 4-58
forecast, inventory, and supply planning
planning processes, 3-2
Forecast, Inventory, and Supply Planning
BPEL process, A-1
Forecast and Supply Planning
generate the forecast subprocess, A-8
review the forecast subprocess, A-9
review the supply chain plan subprocess, A-13
run the ASCP collections subprocess, A-2
run the Demantra collections and download subprocess, A-4
run the inventory plan subprocess, A-11
run the supply chain plan subprocess, A-12

G
generate the forecast subprocess
Forecast and Supply Planning, A-8

H
hierarchies
custom, 4-11
uploading, 4-11
historical performance
days of cover by categories, 5-104
inventory value by categories, 5-103
overall supply chain performance metrics, 5-100
page-level filters, 5-100
production to plan by categories, 5-105
resource utilization by resource group, 5-107
shipments to plan by categories, 5-106
supply chain metrics trend, 5-101
understanding, 5-99
using, 5-99

I
importing
a plan summary into APCC, B-20
introduction
Policy Planning, 9-1
inventory analysis
reports, 5-130, 5-131, 5-132, 5-133, 5-133, 5-134
supply chain risk management
dashboard, 7-11
Inventory Analysis page
Build Plan report, 5-134
Order Details report, 5-135
reports, 5-128
using inventory analysis page, 5-127
Inventory Analysis report, 7-16
inventory optimization
web service, 3-10
Inventory Optimization
plans, 7-11
inventory policy execution
analytics, 9-7
inventory policy monitoring
analytics, 9-9
inventory value by categories
historical performance, 5-103
item simulation set
accessing, 5-82
editable fields, 5-82
scenarios, 2-5
scenario sets
   activities, 2-17
   scenarios, 2-15
page level filters
demand and supply, 5-39
exceptions, 5-92
plan health summary, 5-16
scenario analysis, 5-109
page-level filters
   historical performance, 5-100
   resources, 5-67
parameters
   entering, 2-27
   page, 2-27
plan
   launching, 5-28
plan detail
data model, 5-7
plan details
   archive plan summary, 5-9
   in APCC, 5-1, 5-18
   launching a plan, 5-9
   understanding the tab, 5-3
plan estimation
   analytics, 9-5
plan facts
   purging, 2-14
plan health summary
demand and supply summary, 5-19
exception summary, 5-21
page level filters, 5-16
resource summary, 5-20
shipments and production trends, 5-17
understanding, 5-15
using, 5-15
plan management
   web service, 3-10
planning processes
   page, 2-23, 2-24
   scheduling, 2-29
   starting, 2-28
   terminating, 2-29
   working with, 2-23
planning processes page
   accessing, 2-24
   understanding, 2-23
Policy Planning
   analytics, 9-5
   introduction to, 9-1
Policy Planning dashboard
   using, 9-1
production to plan by categories
   historical performance, 5-105
profile options
   setting up, 4-62
Project Supply Chain
   content, 5-141
   Exceptions Summary by Project, 5-143
   Project Performance Summary, 5-141
   Resource Utilization Summary, 5-145
   Top Late Demands (by Value), 5-144
   Top Late Purchase Orders (by Days Late), 5-145
promotional entities
   Trade Analyst Dashboard, 10-7
publishing from PTP to APCC
   Trade Analyst Dashboard, 10-4
purging
   plan facts, 2-14
   scenarios, 2-13

R
rapid planning
   exception report drill downs, 5-96
Rapid Planning
   integration, 5-63
   resource drill-downs, 5-72
   Supply Demand plan drill-downs, 5-63
rapid planning
   exception report, access to, 5-96
reports
   backlog analysis - units, 5-117
   backlog analysis - value, 5-117
   bookings performance - units, 5-113
   bookings performance - value, 5-114
   bottom demand fill % by customer, 6-17
   comparison of inventory quantity (reporting currency) and safety stock, 5-133
   consensus forecast difference by category, 6-9
   consensus forecast difference by customer, 6-9
   consensus tracking by category, 6-7
   consolidated analysis, 6-11
consolidate - scenario comparison, 6-15
current shipment plan, 5-120
Cycle Stock Report, 5-10
demand and supply summary, 5-124
demand and supply trend across scenarios, 5-124
demand fill, 6-12
demand pegging - baseline plan, 5-121
demand pegging - units, 5-112
demand pegging - value, 5-112
demand summary, 6-8
exception summary, 5-21, 5-126
Executive Summary report as a portlet, 1-6
financial analysis, 6-20
financial forecast and budget comparison, 6-23
financial summary, 5-19
forecast accuracy - MAPE, 6-5
forecast comparison, 6-3
forecast - scenario comparison, 6-8
inventory budget excess by category, 5-132
inventory measures trend, 5-129
inventory performance summary, 5-128
inventory quantity (value) by category, 5-130
inventory quantity (value) by organization, 5-130, 5-131
item exception summary, 5-22
left to book by quarter, 5-123
margin difference by category, 6-22
operating plan and financial forecast comparison, 6-20
plans, 5-123
production plan, 6-13
production plan comparison by organization, 6-13
profit & loss monthly, 6-21
projected backlog, 6-6
rapid planning exception report drill downs, 5-96
resource exception summary, 5-24
resource summary, 5-126
resource utilization trend, 5-126
returns to plan, 8-46
safety stock postponement analysis, 5-133
safety stock postponement analysis by organization, 5-134
sales order analysis - units, 5-118
sales order analysis - value, 5-119
service level short fall by category, 5-131
shipment performance - units, 5-115
shipment performance - value, 5-116
strategic plans, 6-17
supply change by category, 6-17
supply summary, 6-16
supply utilization - units, 5-124
supply utilization - value, 5-125
top % difference - budget and annual plan by organization, 6-23
top % difference - operating plan and budget by category, 6-20
top resource utilization, 6-17
top resource utilization by organization, 6-15
tops abs diff - consensus and financial by category, 6-9
top - supplier item utilization, 6-14
warehouse capacity, 5-10
Warehouse Capacity Report – Capacity at Organization Level, 5-10
Warehouse Capacity Report – Capacity at Storage Type Level, 5-10
Warehouse Capacity Report – Item Level / Capacity at Organization Level, 5-10
Warehouse Capacity Report – Item Level / Capacity at Storage Type Level, 5-10
year-over-year financials, 6-22
rescheduled orders by suppliers exceptions, 5-96
resource plan
navigating to, 5-81
Resource Plan
allocating bucketed quantities, 5-72
editing, 5-72
features, 5-72
layout, 5-72
navigating, 5-72
navigating to, 5-72
setting up layout, 5-72
table toolbar, 5-72
resources
least utilized resource baseline plan, 5-69
most utilized resource baseline plan, 5-69
page-level filters, 5-67
resource summary, 5-68
resources with change in utilization, 5-70
resource utilization trend, 5-71
understanding, 5-67
using, 5-66
resource summary
  plan health summary, 5-20
  resources, 5-68
  scenario analysis, 5-126
resources with change in utilization
  resources, 5-70
resource utilization by resource group
  historical performance, 5-107
resource utilization trend
  resources, 5-71
  scenario analysis, 5-126
review the forecast subprocess
  Forecast and Supply Planning, A-9
review the supply chain plan subprocess
  Forecast and Supply Planning, A-13
run the ASCP collections subprocess
  Forecast and Supply Planning, A-2
run the Demantra collections and download subprocess
  Forecast and Supply Planning, A-4
run the inventory chain plan subprocess
  Forecast and Supply Planning, A-11
run the supply chain plan subprocess
  Forecast and Supply Planning, A-12

S

sales and operations planning
dashboard
  demand review, 6-2
  understanding, 6-1
  planning processes, 3-3
Sales and Operations Planning
  BPEL process, A-14, A-16
  Custom Business Processes, A-17
  The supply plan subprocess, A-16
scenario
  sets, 2-15
  states, 2-4
scenario analysis
  demand and supply summary, 5-124
  demand and supply trend across scenarios, 5-124
  demand pegging baseline plan, 5-121
  exception summary, 5-126
left to book by quarter report, 5-123
page level filters, 5-109
plans report, 5-123
resource summary, 5-126
resource utilization trend, 5-126
supply utilization - units, 5-124
supply utilization - value, 5-125
understanding, 5-108
using, 5-108
scenario management
  web service, 3-11
scenarios
  archiving, 2-13
  copying, 2-12
  creating, 2-10
  editing, 2-12
  example of optional flow, 2-3
  example of typical flow, 2-2
  managing, 2-1
  page, 2-5, 2-9
  plan facts
    purging, 2-14
  planning, 2-1
  purging, 2-13
  understanding scenario page, 2-4
  using, 2-1
  working with, 2-4
scenario sets
  activities, 2-17
  creating, 2-17
  editing, 2-18
  page, 2-15
  scenarios
    page, 2-15
    working with, 2-15
scenario sets activities
  accessing, 2-17
scenario sets page
  understanding, 2-15
scenario sets - scenarios page
  accessing, 2-15
scenarios page
  accessing, 2-5
  searching, 2-9
  understanding, 2-4
scenario states
  understanding, 2-4
scenario summary
demand and supply summary, 5-110
scheduling
planning processes, 2-29
search fields
item simulation set, 5-82
orders user interface, 5-36
searching
scenarios, 2-9
secondary reports
supply chain analyst, 5-136
service enablement planning process
sales and operations planning, 3-3
service enablement planning processes
forecast, inventory, and supply planning, 3-2
understanding, 3-1
web services, 3-4
service parts planning
web service, 3-13
Service Parts Planning dashboard
Overview, 8-1
setting up layout
Material Plan, 5-47
Resource Plan, 5-72
shipments and production trends
plan health summary, 5-17
shipments to plan by categories
historical performance, 5-106
SPP Dashboard
demand and supply page, 8-13
exceptions, 8-27
health plan summary page, 8-2
historical performance, 8-40
sla analysis page, 8-30
standalone
integration of 11.5.10, B-5
integration of ASCP and IO, B-5
profile options, B-4
setups and processes, B-5
starting
planning processes, 2-28
strategic network optimization
web service, 3-13
supply chain analyst
dashboard, 5-1

demand and supply, 5-38, 5-38
exceptions, 5-91, 5-91
historical performance, 5-99, 5-99
plan health summary, 5-15, 5-15
resources, 5-66, 5-67
scenario analysis, 5-108, 5-108
secondary reports, 5-136
understanding, 5-1
demand and supply
demand and supply summary, 5-40
demand and supply trend across plans, 5-42
demand and supply trend baseline plan, 5-43
demand change by customers, 5-40
supply change by categories, 5-41
total demand by customers baseline plan, 5-44
total supply by categories baseline plan, 5-45
exceptions
exceptions summary, 5-93
exceptions summary by category, 5-94
exceptions summary by organization, 5-95
rescheduled orders by suppliers, 5-96
historical performance
days of cover by categories, 5-104
inventory value by categories, 5-103
overall supply chain performance metrics, 5-100
production to plan by categories, 5-105
resource utilization by resource group, 5-107
shipments to plan by categories, 5-106
supply chain metrics trend, 5-101
left to book by quarter report, 5-123
plan health summary
demand and supply summary, 5-19
exception summary, 5-21
resource summary, 5-20
shipments and production trends, 5-17
plans report, 5-123
resources
least utilized resource baseline plan, 5-69
most utilized resource baseline plan, 5-69
resource summary, 5-68
resources with change in utilization, 5-70
resource utilization trend, 5-71
scenario analysis
  demand and supply summary, 5-124
  demand and supply trend across scenarios, 5-124
  demand pegging baseline plan, 5-121
  exception summary, 5-126
  resource summary, 5-126
  resource utilization trend, 5-126
scenario summary report, 5-110
supply utilization - units, 5-124
supply utilization - value, 5-125
Supply Chain Analyst
  Projects Supply Chain, 5-140
Supply Chain Analyst dashboard
new reports, 5-145
supply chain metrics trend
historical performance, 5-101
supply chain risk management dashboard
  executive review, 7-6
  inventory analysis, 7-11
  understanding, 7-1
supply change by categories
  demand and supply, 5-41
Supply Plan subprocess
  Sales and Operations Planning, A-16

T
  table columns
    orders user interface, 5-36
  table toolbar
    Material Plan, 5-47
    orders user interface, 5-36
    Resource Plan, 5-72
terminating
  planning processes, 2-29
total demand by customers baseline plan
  demand and supply, 5-44
total supply by categories baseline plan
  demand and supply, 5-45
Trade Analysis Dashboard
  understanding, 10-1
Trade Analyst Dashboard
  promotional entities, 10-7
  publishing from PTP to APCC, 10-4
  using, 10-2

U
understanding
  demand and supply, 5-38
  exceptions, 5-91
  historical performance, 5-99
  plan health summary, 5-15
  resources, 5-67
  scenario analysis, 5-108
  service enablement planning processes, 3-1
  supply chain analyst dashboard, 5-1
user interface
  orders, 5-36
using
  demand and supply, 5-38
  exceptions, 5-91
  historical performance, 5-99
  plan health summary, 5-15
  Policy Planning dashboard, 9-1
  resources, 5-66
  scenario analysis, 5-108

W
Warehouse capacity
  dimensions, 5-10
  facts, 5-10
  pushing to APCC, 5-10
  reports, 5-10
  Warehouse Capacity Report – Capacity at Organization Level
    reports, 5-10
  Warehouse Capacity Report – Capacity at Storage Type Level
    reports, 5-10
  Warehouse Capacity Report – Item Level / Capacity at Storage Type Level
    reports, 5-10
  web services, 3-4
    advanced planning suite, 3-5
    advanced supply chain planning, 3-4
    collections, 3-6
    demantra, 3-8
    distribution planning, 3-9
    inventory optimization, 3-10
    order promising, 3-10
plan management, 3-10
scenario management, 3-11
service parts planning, 3-13
strategic network optimization, 3-13
working with activities, 2-19
working with planning processes, 2-23
working with scenarios
activities
  editing, 2-23
activities page
  accessing, 2-19
  understanding, 2-19
parameters
  entering, 2-27
plan facts
  purging, 2-14
planning processes
  scheduling, 2-29
  starting, 2-28
  terminating, 2-29
planning processes page
  accessing, 2-24
  understanding, 2-23
scenarios
  archiving, 2-13
  copying, 2-12
  creating, 2-10
  editing, 2-12
  purging, 2-13
scenario sets
  creating, 2-17
  editing, 2-18
scenario sets activities
  accessing, 2-17
scenario sets page
  understanding, 2-15
scenario sets - scenarios page
  accessing, 2-15
scenarios page
  accessing, 2-5
  searching, 2-9
scenario states
  understanding, 2-4
working with scenario sets, 2-15
Worksheets
  embedded, 3-14, A-7