

IBP400

SAP IBP for Inventory

COURSE OUTLINE

Course Version: 2411

Course Duration:

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Typographic Conventions

American English is the standard used in this handbook.

The following typographic conventions are also used.

This information is displayed in the instructor's presentation



Demonstration



Procedure



Warning or Caution



Hint



Related or Additional Information



Facilitated Discussion



User interface control

Example text

Window title

Example text

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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Application Consultant
- Super / Key / Power User
- Business Analyst
- Business Process Architect
- Business Process Owner/Team Lead/Power User
- System Administrator

UNIT 1

Introduction to Inventory Planning and Optimization with SAP Integrated Business Planning for Inventory

Lesson 1: What is Inventory Planning ?

Lesson Objectives

After completing this lesson, you will be able to:

- Understand key concepts in inventory planning

Lesson 2: What is Inventory Optimization?

Lesson Objectives

After completing this lesson, you will be able to:

- Define inventory optimization

Lesson 3: Added value to your Integrated Business Planning through Inventory Optimization

Lesson Objectives

After completing this lesson, you will be able to:

- Understand added value of inventory optimization

Lesson 4: Key Differentiators of SAP Integrated Business Planning for Inventory

Lesson Objectives

After completing this lesson, you will be able to:

- Comprehend key differentiators of SAP Integrated Business Planning for inventory

Lesson 5: SAP Integrated Business Planning for Inventory within SAP Integrated Business Planning for Supply Chain

Lesson Objectives

After completing this lesson, you will be able to:

- Place SAP Integrated Business Planning for inventory within the SAP Integrated Business Planning for Supply Chain landscape

UNIT 2

SAP Integrated Business Planning for Inventory: Configuring and Preparing for Use

Lesson 1: Describing the Business Planning Scenario

Lesson Objectives

After completing this lesson, you will be able to:

- Get started configuring SAP Integrated Business Planning for inventory

Lesson 2: Options for Handling Uncertainty

Lesson Objectives

After completing this lesson, you will be able to:

- Recognize options for handling uncertainty

Lesson 3: Examining Attributes and Master Data Types

Lesson Objectives

After completing this lesson, you will be able to:

- Configure a planning area

Lesson 4: Analyzing Planning Levels and Key Figures

Lesson Objectives

After completing this lesson, you will be able to:

- Process key figures and planning levels

Lesson 5: Planning Details

Lesson Objectives

After completing this lesson, you will be able to:

- Specify planning details

Lesson 6: Inventory Global Configuration Parameters

Lesson Objectives

After completing this lesson, you will be able to:

- Understand how to set up a global parameter for SAP Integrated Business Planning for inventory

Lesson 1: Positioning SAP IBP for Inventory in a Sales and Operations Planning Process

Lesson Objectives

After completing this lesson, you will be able to:

- Understand SAP IBP for inventory compared to other SAP IBP for Supply Chain modules

Lesson 2: Running an ABC/XYZ-Segmentation and a Time-Series Analysis

Lesson Objectives

After completing this lesson, you will be able to:

- Understand and apply the ABC/XYZ - segmentation using the time-series analysis results

Lesson 3: Forecast Error Calculation

Lesson Objectives

After completing this lesson, you will be able to:

- Create a forecast error calculation

Lesson 4: Supply Lead Time Calculation

Lesson Objectives

After completing this lesson, you will be able to:

- Create a supply lead time calculation

Lesson 5: Role of an Inventory Planner as Key Player within the Sales and Operations Planning Process

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the role of an inventory planner in an organization

Lesson 1: Introduction to an Overarching SAP Integrated Business Planning for Supply Chain Optimizer Methodology

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the SAP holistic approach to inventory optimization

Lesson 2: Normal Versus Gamma Distribution

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the difference between normal and gamma distributions

Lesson 3: Forecast Error

Lesson Objectives

After completing this lesson, you will be able to:

- Understand forecast error fundamentals

Lesson 4: Demand Propagation

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the premises behind demand propagation

Lesson 5: Exposure Demand, Supply Variability and Service Variability Calculations

Lesson Objectives

After completing this lesson, you will be able to:

- Understand variability in terms of demand, supply, and service

Lesson 6: Multi-stage Application via an Example

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the multi-stage inventory optimization capabilities through an example

Lesson 7: Other Drivers of Safety Stock: Service Level, Periods Between Replenishment, Lot Size, Delivery Type, and Promotions

Lesson Objectives

After completing this lesson, you will be able to:

- Understand other drivers of safety stock

Lesson 1: Holistic Approach

Lesson Objectives

After completing this lesson, you will be able to:

- Outline the SAP holistic approach to inventory optimization

Lesson 2: Input Review and Initial Variables

Lesson Objectives

After completing this lesson, you will be able to:

- Understand known versus uncertain demand
- Organize supply timing variability
- Identify the impact of time-varying demand
- Plan lead time versus instantaneous replenishment
- Review the impact of frequent versus infrequent key drivers
- Validate the inputs through a dashboard and a planning view

Lesson 1: Planning Operators

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the planning operators

Lesson 2: Determine the Multi-Stage Networks

Lesson Objectives

After completing this lesson, you will be able to:

- Identify interrelated networks in your supply chain

Lesson 3: Global (Multi-stage) Inventory Optimization

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the usage of the global (multi-stage) inventory optimization algorithm
- Understand the SAP integrated business planning logic for multi-stage inventory optimization

Lesson 4: Safety Stock Limitations

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the usage of minimum and maximum limitations

Lesson 5: Calculate Predicted Service Levels

Lesson Objectives

After completing this lesson, you will be able to:

- Understand how to predict service levels

Lesson 6: Calculate Target Inventory Components

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the usage of the target inventory components calculation

Lesson 7: Decomposed (Single-stage) Inventory Optimization

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the usage of the decomposed (single-stage) inventory optimization algorithm

Lesson 8: Diagnosing System Issues

Lesson Objectives

After completing this lesson, you will be able to:

- Understand how to troubleshoot business user logs

Lesson 1: Inventory Plan Review

Lesson Objectives

After completing this lesson, you will be able to:

- Understanding how to review an inventory plan

Lesson 2: Supply Chain Network App

Lesson Objectives

After completing this lesson, you will be able to:

- Use cases for supply chain network visualization

Lesson 3: Inventory Profiles App

Lesson Objectives

After completing this lesson, you will be able to:

- Understand how to use the Inventory Profiles app

Lesson 4: Inventory Analysis App

Lesson Objectives

After completing this lesson, you will be able to:

- Understand how to use the Inventory Analysis app

Lesson 5: Applications Jobs App

Lesson Objectives

After completing this lesson, you will be able to:

- Understand special application job settings related to inventory optimization

Lesson 6: Planning Results

Lesson Objectives

After completing this lesson, you will be able to:

- Understand high level and detailed results

Lesson 7: Scenario Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the inputs for possible scenarios and simulations

Lesson 1: Network Capital Analysis and Scenario Management

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze the effect of holding cost rate on multi-stage inventory

Lesson 2: Finalizing the Inventory Plan

Lesson Objectives

After completing this lesson, you will be able to:

- Explain how to finalize the inventory planning and optimization process