

S42245

Advanced Production Planning Methods in SAP S/4HANA PP/DS

COURSE OUTLINE

Course Version: 23

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 Process Architect
- Solution Architect
- User

UNIT 1

Introducing Planning Concepts in ePP/DS

Lesson 1: Explaining Supply Chain Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Explain planning philosophies
- Explain the integration of ePP/DS into SAP S/4HANA

Lesson 2: Understanding Planning Options in ePP/DS

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze the planning options of ePP/DS

Lesson 1: Explaining Heuristics

Lesson Objectives

After completing this lesson, you will be able to:

- Explain how heuristics are used in ePP/DS
- Explain heuristic planning of standard lots

Lesson 2: Configuring a Planning Run in ePP/DS

Lesson Objectives

After completing this lesson, you will be able to:

- Configure a planning run in ePP/DS

UNIT 3

Introducing the Production Planning Optimizer (PPO)

Lesson 1: Explaining Planning Scenarios for the Production Planning Optimizer

Lesson Objectives

After completing this lesson, you will be able to:

- Explaining Planning Scenarios for the Production Planning Optimizer

Lesson 2: Configure the Production Planning Optimizer

Lesson Objectives

After completing this lesson, you will be able to:

- Configure the Production Planning Optimizer

UNIT 4

Modelling the Planning Scope for the DS Optimizer

Lesson 1: Understanding Genetic Algorithms

Lesson Objectives

After completing this lesson, you will be able to:

- Understand optimization algorithms
- Explain genetic algorithms
- Decomposing Planning Tasks

Lesson 2: Defining Constraints for DS Optimization

Lesson Objectives

After completing this lesson, you will be able to:

- Define Constraints for DS Optimization

Lesson 3: Defining Objectives for DS Optimization

Lesson Objectives

After completing this lesson, you will be able to:

- Define Objective Criteria for DS Optimization

Lesson 1: Configuring the Optimization Profile

Lesson Objectives

After completing this lesson, you will be able to:

- Configure the DS optimization profile

Lesson 2: Configuring Technical Settings (RCCF)

Lesson Objectives

After completing this lesson, you will be able to:

- Configure and Install the DS Optimizer

Lesson 3: Enhancing the DS Optimizer

Lesson Objectives

After completing this lesson, you will be able to:

- Enhance the DS Optimizer

UNIT 6

Understanding and Interpreting the Planning Result

Lesson 1: Analyzing the Explanation Log

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze the DS Optimizer Explanation Log

Lesson 2: Understanding the Limits of the Explanation Log

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the Limits of the Explanation Log

Lesson 1: Modeling Tips and Tricks

Lesson Objectives

After completing this lesson, you will be able to:

- Tips and Tricks for Modelling Optimization Problems
- Define Optimization Scenarios

Lesson 2: Defining a Tank Planning Scenario

Lesson Objectives

After completing this lesson, you will be able to:

- Define a Tank Planning Scenario

Lesson 3: Appendix

Lesson Objectives

After completing this lesson, you will be able to:

- Appendix