

S4100

Business Processes in SAP S/4HANA Product Development

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	<i>Example text</i>
Window title	<i>Example text</i>

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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
- Business Process Owner/Team Lead/Power User
- Solution Architect

Lesson 1: Introducing SAP S/4HANA

Lesson Objectives

After completing this lesson, you will be able to:

- Understand and explain the motivation behind SAP S/4HANA

Lesson 2: SAP GUI

Lesson Objectives

After completing this lesson, you will be able to:

- Understand and use the SAP GUI

Lesson 3: SAP Fiori UX

Lesson Objectives

After completing this lesson, you will be able to:

- Give an overview of the SAP Fiori UX and work with it

Lesson 1: Product Development: Process Overview

Lesson Objectives

After completing this lesson, you will be able to:

- Explain product development process

Lesson 1: Processes of the Engineering Concept Phase

Lesson Objectives

After completing this lesson, you will be able to:

- Give an overview of the processes in the engineering concept phase

Lesson 2: SAP Engineering Control Center

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the benefits of SAP Engineering Control Center
- Work stand alone with the ECTR instead standard SAP navigation

Lesson 3: Document Management

Lesson Objectives

After completing this lesson, you will be able to:

- Understand and work with document management
- Work with a status scenario
- Define Object links
- Check in a file into secure storage area

Lesson 4: SAP Product Lifecycle Costing

Lesson Objectives

After completing this lesson, you will be able to:

- Understand and use SAP Product Lifecycle Costing
- Work with the backend integration and upload material BOM and routing

Lesson 1: Process Overview: Engineering Design Phase

Lesson Objectives

After completing this lesson, you will be able to:

- Give an overview of the processes in the engineering design phase

Lesson 2: CAD Integration With SAP Engineering Control Center

Lesson Objectives

After completing this lesson, you will be able to:

- Understand CAD integration with SAP Engineering Control Center
- Add additional documents and data

Lesson 3: Material Management: Design

Lesson Objectives

After completing this lesson, you will be able to:

- Understand and work with material management
- Understand the view concept
- Work with a material status

Lesson 4: Material BOM: Design

Lesson Objectives

After completing this lesson, you will be able to:

- Understand and work with material BOMs
- Define a plant independent group BOM
- Understand the usage of a material BOM
- Set a status for header and item

Lesson 5: Engineering Change Management

Lesson Objectives

After completing this lesson, you will be able to:

- Understand and work with engineering change management
- Create a change master and perform the first object changes

Lesson 1: Process Overview: Handover to Manufacturing

Lesson Objectives

After completing this lesson, you will be able to:

- Give an overview of the processes in the engineering handover to manufacturing phase

Lesson 2: Material Management for Manufacturing

Lesson Objectives

After completing this lesson, you will be able to:

- Work with the material for manufacturing
- Define a plant dependent material status
- Understand the benefits of working with a product master

Lesson 3: Material BOM for Manufacturing

Lesson Objectives

After completing this lesson, you will be able to:

- Work with the material BOM for manufacturing
- Assign and copy material BOMs to a plant
- Maintain material BOMs

Lesson 4: Classification

Lesson Objectives

After completing this lesson, you will be able to:

- Manage classes and characteristics
- Perform an object classification
- Work with classification search

Lesson 5: Product Structure Browser

Lesson Objectives

After completing this lesson, you will be able to:

- Understand and work with the product structure browser

Lesson 6: Variant Configuration

Lesson Objectives

After completing this lesson, you will be able to:

- Understand and work with variant configuration
- Use the product modeling environment
- Simulate a configuration

Lesson 7: Product Structure Management

Lesson Objectives

After completing this lesson, you will be able to:

- Define a new product structure with Product Structure Management
- Simulate a configuration
- Assign Documents and Materials

Lesson 1: Process Overview: Manufacturing

Lesson Objectives

After completing this lesson, you will be able to:

- Give an overview of the processes in manufacturing

Lesson 2: Work Centers

Lesson Objectives

After completing this lesson, you will be able to:

- Understand and work with work centers
- Enter the relevant data for your routings

Lesson 3: Routings

Lesson Objectives

After completing this lesson, you will be able to:

- Understand and work with routings
- Connect material BOM components

Lesson 4: Engineering Workbench

Lesson Objectives

After completing this lesson, you will be able to:

- Work with the engineering workbench
- Benefit from the different material BOM and routing layout
- Change the component allocation

Lesson 5: Manufacturing Change Management

Lesson Objectives

After completing this lesson, you will be able to:

- Work with Manufacturing Change Management
- Understand the use of a release key
- Benefit from a revision level
- Understand validities for change management

Lesson 6: Guided Structure Synchronization

Lesson Objectives

After completing this lesson, you will be able to:

- Understand and work with Guided Structure Synchronization
- Do a synchronization for your Product Structure

Lesson 7: Master Data Distribution

Lesson Objectives

After completing this lesson, you will be able to:

- Understand master data distribution with ALE

Lesson 1: Advanced Material BOM functions

Lesson Objectives

After completing this lesson, you will be able to:

- Software in Material BOMs
- Material BOM versioning

Lesson 2: Visual Enterprise

Lesson Objectives

After completing this lesson, you will be able to:

- Give an overview on the main functions and features of SAP 3D Visual Enterprise solution
- Work with the Visual Instance Planner
- Do a component allocation to a PSM structure
- Understand and work with Visual Manufacturing Planner
- Create material BOMs and routings based on a 3D model

Lesson 3: Transaction codes within S/4HANA

Lesson Objectives

After completing this lesson, you will be able to:

- Transaction codes within S/4HANA

Lesson 4: Glossary

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the terms used in SAP S/4HANA product development