PLM300

Business Processes in Plant Maintenance

COURSE OUTLINE

Course Version: 15
Course Duration: 5 Day(s)
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American English is the standard used in this handbook. The following typographic conventions are also used.

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Example text

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# Course Overview

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1. Lesson: Outlining EAM Processes and SAP Solution Portfolio
2. Lesson: Executing Maintenance Tasks with NetWeaver Business Client (NWBC)
3. Lesson: Checking Organizational Levels in Plant Maintenance

## Unit 2: Technical Objects

4. Lesson: Checking Functional Locations
5. Lesson: Managing Equipment
6. Lesson: Checking Linear Asset Management (LAM)
7. Lesson: Assigning Bills of Material (BOMs) to Technical Objects

## Unit 3: Breakdown Maintenance

8. Lesson: Planning Breakdown Maintenance
9. Lesson: Processing a Breakdown Maintenance Order

## Unit 4: Corrective Maintenance

10. Lesson: Outlining Corrective Maintenance
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12. Lesson: Creating Maintenance Orders
13. Lesson: Planning of Maintenance Orders
14. Lesson: Processing External Services
15. Lesson: Analyzing Planned Costs of Maintenance Orders
16. Lesson: Planning of Maintenance Orders for Operation Account Assignment (OAA)
17. Lesson: Selecting Maintenance Orders
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19. Lesson: Scheduling Maintenance
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22. Lesson: Confirming and Technically Completing an Order
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Course Overview

TARGET AUDIENCE
This course is intended for the following audiences:

- Super / Key / Power User
- Industry / Business Analyst Consultant
- Project Manager
- End User
Lesson 1: Outlining EAM Processes and SAP Solution Portfolio

**Lesson Objectives**
After completing this lesson, you will be able to:

- Describe SAP Enterprise Asset Management processes
- Outline the solution portfolio for SAP Enterprise Asset Management processes

Lesson 2: Outlining the SAP User Interfaces and Roles

**Lesson Objectives**
After completing this lesson, you will be able to:

- Outline SAP NetWeaver
- Explain the SAP user interfaces and roles

Lesson 3: Executing Maintenance Tasks with NetWeaver Business Client (NWBC)

**Lesson Objectives**
After completing this lesson, you will be able to:

- Execute maintenance tasks in NWBC

Lesson 4: Checking Organizational Levels in Plant Maintenance

**Lesson Objectives**
After completing this lesson, you will be able to:

- Define the organizational levels in Plant Maintenance
- Outline the role of a work center in Plant Maintenance
UNIT 2  
Technical Objects

Lesson 1: Checking Functional Locations

Lesson Objectives
After completing this lesson, you will be able to:

- Structure technical systems
- Check a functional location

Lesson 2: Managing Equipment

Lesson Objectives
After completing this lesson, you will be able to:

- Create equipment
- Install equipment

Lesson 3: Checking Linear Asset Management (LAM)

Lesson Objectives
After completing this lesson, you will be able to:

- Check functional locations and equipment with specific attributes for LAM

Lesson 4: Assigning Bills of Material (BOMs) to Technical Objects

Lesson Objectives
After completing this lesson, you will be able to:

- Describe how BOMs are used in plant maintenance
- Assign BOMs to technical objects
Lesson 1: Planning Breakdown Maintenance

Lesson Objectives
After completing this lesson, you will be able to:

• Explain the process of breakdown maintenance
• Plan breakdown maintenance

Lesson 2: Processing a Breakdown Maintenance Order

Lesson Objectives
After completing this lesson, you will be able to:

• Enter a time confirmation
• Enter a technical completion
Lesson 1: Outlining Corrective Maintenance

Lesson Objectives
After completing this lesson, you will be able to:

- Describe the corrective maintenance process

Lesson 2: Creating Notifications of Maintenance Requirements

Lesson Objectives
After completing this lesson, you will be able to:

- Outline the notification phase
- Create a maintenance notification
- Select a maintenance notification

Lesson 3: Creating Maintenance Orders

Lesson Objectives
After completing this lesson, you will be able to:

- Describe maintenance orders
- Create maintenance orders

Lesson 4: Planning of Maintenance Orders

Lesson Objectives
After completing this lesson, you will be able to:

- Plan material in maintenance orders

Lesson 5: Processing External Services

Lesson Objectives
After completing this lesson, you will be able to:

- Outline external services
• Process an external service with individual purchase order (PO)
• Process an external service with external service management
• Process an external service with an external work center

Lesson 6: Analyzing Planned Costs of Maintenance Orders

Lesson Objectives
After completing this lesson, you will be able to:
• Analyze planned costs of maintenance orders

Lesson 7: Planning of Maintenance Orders for Operation Account Assignment (OAA)

Lesson Objectives
After completing this lesson, you will be able to:
• Plan costs for operation account assignment

Lesson 8: Selecting Maintenance Orders

Lesson Objectives
After completing this lesson, you will be able to:
• Select maintenance orders

Lesson 9: Planning Materials and Capacity for Maintenance Orders

Lesson Objectives
After completing this lesson, you will be able to:
• Check material availability
• Check capacity planning

Lesson 10: Scheduling Maintenance

Lesson Objectives
After completing this lesson, you will be able to:
• Approve and release maintenance orders

Lesson 11: Executing Maintenance Tasks with SAP GUI

Lesson Objectives
After completing this lesson, you will be able to:
Lesson 12: Completing Notifications and Orders

Lesson Objectives
After completing this lesson, you will be able to:

- Confirm a maintenance order
- Enter a technical completion

Lesson 13: Confirming and Technically Completing an Order

Lesson Objectives
After completing this lesson, you will be able to:

- Settle and complete an order

Lesson 14: Creating a Shift Report

Lesson Objectives
After completing this lesson, you will be able to:

- Create a shift report
Lesson 1: Checking Prerequisites in Materials Management (MM)

Lesson Objectives
After completing this lesson, you will be able to:

- Check the prerequisites for refurbishment in MM

Lesson 2: Refurbishing Spare Parts Internally

Lesson Objectives
After completing this lesson, you will be able to:

- Describe internal refurbishment processing
- Process a refurbishment order

Lesson 3: Refurbishing Spare Parts Externally

Lesson Objectives
After completing this lesson, you will be able to:

- Describe the process of external refurbishment of spare parts
Lesson 1: Outlining Preventive Maintenance

Lesson Objectives
After completing this lesson, you will be able to:

- Describe the process of preventive maintenance

Lesson 2: Checking the Maintenance Task List

Lesson Objectives
After completing this lesson, you will be able to:

- Create a maintenance task list
- Check a maintenance task list

Lesson 3: Creating Maintenance Plans

Lesson Objectives
After completing this lesson, you will be able to:

- Create maintenance plans
- Create strategy plans

Lesson 4: Scheduling Maintenance Plans

Lesson Objectives
After completing this lesson, you will be able to:

- Schedule maintenance plans
Lesson 1: Outlining Project-Oriented Maintenance

Lesson Objectives
After completing this lesson, you will be able to:

- Explain conventional project-oriented plant maintenance
- Create project-oriented plant maintenance plans with maintenance event builder (MEB)
Lesson 1: Outlining Mobile Applications for SAP Enterprise Asset Management (SAP EAM)

Lesson Objectives
After completing this lesson, you will be able to:

- Outline mobile applications available in SAP Enterprise Asset Management

Lesson 2: Using Visual Enterprise Documents

Lesson Objectives
After completing this lesson, you will be able to:

- Use visual documents

Lesson 3: Describing Basic Maintenance Processing

Lesson Objectives
After completing this lesson, you will be able to:

- Explain basic maintenance processing

Lesson 4: Outlining Pool Asset Management (PAM)

Lesson Objectives
After completing this lesson, you will be able to:

- Manage assets by using PAM

Lesson 5: Outlining SAP Work Clearance Management (WCM)

Lesson Objectives
After completing this lesson, you will be able to:

- Explain the process and benefits of WCM

Lesson 6: Applying Worker Safety
Lesson Objectives
After completing this lesson, you will be able to:

- Apply worker safety
Lesson 1: Analyzing Maintenance History with the Logistic Information System (LIS)

Lesson Objectives
After completing this lesson, you will be able to:

- Analyze the maintenance history
- Analyze the LIS

Lesson 2: Evaluating Plant Maintenance with SAP Business Warehouse (SAP BW)

Lesson Objectives
After completing this lesson, you will be able to:

- Outline SAP NetWeaver BW
- Outline evaluations in the SAP NetWeaver BW

Lesson 3: Outlining Rapid Deployment Solution EAM Analytics

Lesson Objectives
After completing this lesson, you will be able to:

- Outline RDS in SAP EAM
Lesson 1: Outlining SAP Enterprise Asset Management Customizing Implementation

Lesson Objectives
After completing this lesson, you will be able to:

- Outline Customizing in SAP Enterprise Asset Management