TM120
Optimizer Planning and Execution in SAP Transportation Management

COURSE OUTLINE
Course Version: 18
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
# Contents

vii  

## Course Overview

<table>
<thead>
<tr>
<th>Unit 1: Optimizer Planning</th>
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<tbody>
<tr>
<td>1</td>
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<th>Unit 2: Optimizer Applications</th>
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<tbody>
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<tr>
<th>Unit 3: Advanced Transportation Network</th>
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<th>Unit 4: Transportation Unit Planning</th>
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<th>Unit 5: Carrier Selection</th>
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<th>Unit 6: Freight Tendering</th>
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<th>Unit 7: Freight Orders in Transportation Management</th>
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<tbody>
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TARGET AUDIENCE
This course is intended for the following audiences:

- Application Consultant
- Business Process Architect
- Business Process Owner/Team Lead/Power User
Lesson 1: Describing Optimizer Planning

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

● Describe optimizer planning

Lesson 2: Applying Optimizer Planning Settings

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

● Create planning cost settings

Lesson 3: Identifying Modal Decision Planning Scenarios

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

● Execute planning to determine the means of transport
● Execute planning to consolidate deliveries
● Execute planning to enforce minimum shipping requirements

Lesson 4: Applying Short-Cut Planning

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

● Describe short-cut planning
● Maintain integration settings for short-cut planning
● Maintain configuration and execute short-cut planning

Lesson 5: Creating Pooled Shipments

Lesson Objectives
After completing this lesson, you will be able to:
- Model the transportation network for pooled shipments
- Create pooled freight orders
Lesson 1: Creating a Transportation Proposal

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

- Plan freight orders using transportation proposals

Lesson 2: Describing Load Optimization Processes

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

- Create a vehicle for load optimization
- Create freight units for load optimization
- Maintain load planning settings
- Perform load planning
Lesson 1: Creating Schedules

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

● Create carrier schedules
● Generate departures

Lesson 2: Analyzing the Results of the Path Finder

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

● Use the Path Finder to analyze results
Lesson 1: Creating Passive Vehicle Resources

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

- Create passive vehicle resources
- Analyze transportation units

Lesson 2: Planning Transportation Units with Passive Vehicle Resources

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

- Create transportation units
- Outline transportation unit planning

Lesson 3: Planning Transportation Units with the Optimizer

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

- Apply optimizer settings to passive vehicle resources

Lesson 4: Planning Transportation with Container Units

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

- Create container units
Lesson 1: Explaining the Carrier Selection Process
Lesson Objectives
After completing this lesson, you will be able to:

● Execute carrier selection

Lesson 2: Selecting Carriers Based on Costs and Priorities
Lesson Objectives
After completing this lesson, you will be able to:

● Define carrier costs
● Configure carrier selection

Lesson 3: Using Allocations
Lesson Objectives
After completing this lesson, you will be able to:

● Consider allocations

Lesson 4: Using Business Shares
Lesson Objectives
After completing this lesson, you will be able to:

● Perform carrier selection based on business shares

Lesson 5: Improving Carrier Utilization
Lesson Objectives
After completing this lesson, you will be able to:

● Explain continuous moves
Lesson 1: Explaining the Tendering Process

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

- Explain tendering types
- Explain the tendering process in SAP TM
- Tender a freight order

Lesson 2: Configuring the Tendering Plan

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

- Configure the settings to enable freight order-based shipments

Lesson 3: Identifying the Tendering Collaboration Scenarios

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

- Determine communication methods with carriers
- Collaborate using the SAP TM collaboration portal
Lesson 1: Creating Freight Orders

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

- List the methods of creating freight orders in SAP TM
Lesson 1: Configuring Freight Order Types

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

- Use freight order types
- Determine organizational units in freight orders automatically
- Create freight order types

Lesson 2: Configuring Freight Order Type Determination

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

- Set up freight order type determination based on the appropriate usage

Lesson 3: Determining Business Partners

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

- Identify the business partner roles assigned to freight orders
- Determine business partners in freight orders
Lesson 1: Integrating Freight Orders with Shipments
Lesson Objectives
After completing this lesson, you will be able to:
• Describe the integration scenarios between freight orders and shipments

Lesson 2: Creating Shipments from Freight Orders
Lesson Objectives
After completing this lesson, you will be able to:
• Explain the business scenarios for freight order-based shipments
• Configure the settings to enable freight order-based shipments

Lesson 3: Creating Freight Orders from Shipments
Lesson Objectives
After completing this lesson, you will be able to:
• Create shipment-based freight orders
• Configure settings to enable shipment-based freight orders

Lesson 4: Communicating Freight Orders to Other Companies
Lesson Objectives
After completing this lesson, you will be able to:
• Explain the business scenarios for business-to-business communication
Lesson 1: Monitoring Transportation Events
Lesson Objectives
After completing this lesson, you will be able to:

• Monitor transportation events with SAP Event Management

Lesson 2: Configuring SAP Event Management (SAP TM) for Transportation Visibility
Lesson Objectives
After completing this lesson, you will be able to:

• Configure settings to enable transportation event visibility

Lesson 3: Handling Events in the Collaboration Portal
Lesson Objectives
After completing this lesson, you will be able to:

• Handle events in the Collaboration Portal
Lesson 1: Configuring Freight Order Output

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

- Configure settings to enable the printing of documents in the freight order

Lesson 2: Managing Freight Order Discrepancies

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

- Process different types of discrepancies in SAP TM
Lesson 1: Integrating SAP EWM based on Shipments

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

- Execute the freight order-based shipment by using SAP EWM
- Configure settings to enable warehouse integration based on shipments

Lesson 2: Integrating SAP EWM Based on Deliveries

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

- Directly integrate SAP TM into SAP EWM
- Configure settings to enable warehouse integration based on deliveries

Lesson 3: Integrating SAP EWM for Transit Warehousing

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

- Integrate SAP TM into SAP EWM in a Logistic Service Provider scenario
- Configure settings to enable transit warehouse integration