TM110

Order Management and Planning Basics in SAP Transportation Management

COURSE OUTLINE

Course Version: 16
Course Duration: 5 Day(s)

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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
- Business Process Architect

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UNIT 1

SAP ERP Integration for Order Management

Lesson 1: Describing Transportation Requirements

Lesson Objectives

After completing this lesson, you will be able to:

- Describe outbound and inbound transportation requirements

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UNIT 2 Master Data Integration

Lesson 1: Integrating SAP ERP Master Data with SAP TM

Lesson Objectives

After completing this lesson, you will be able to:

- Describe how the CIF transfers master data to TM

Lesson 2: Evaluating Master Data in SAP TM

Lesson Objectives

After completing this lesson, you will be able to:

- Examine master data in SAP TM

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UNIT 3 Integration of Transportation Requirements

Lesson 1: Preparing SAP TM for Integration of Transportation Requirements

Lesson Objectives

After completing this lesson, you will be able to:

- Define transportation requirement types

Lesson 2: Preparing SAP ERP for Integration of Transportation Requirements

Lesson Objectives

After completing this lesson, you will be able to:

- Activate SAP ERP order and delivery integration

Lesson 3: Integrating Sales Orders and Deliveries into SAP TM

Lesson Objectives

After completing this lesson, you will be able to:

- Configure output types for integration into SAP TM

Lesson 4: Generating Transportation Requirements in SAP TM

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the process of generating transportation requirements in SAP TM from sales orders in SAP ERP
- Describe the impact of changes to the shipping condition

Lesson 5: Integrating Purchase Orders into SAP TM

Lesson Objectives

After completing this lesson, you will be able to:

- Create a purchase order in SAP ERP and identify requirements for integration into SAP TM

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Lesson 6: Integrating Scheduling Agreements into SAP TM

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the generation of transportation requirements in SAP TM from scheduling agreements in SAP ERP

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UNIT 4 Transportation Requirement Processing

Lesson 1: Integrating Routing Information from SAP ERP

Lesson Objectives

After completing this lesson, you will be able to:

- Determine routing based on Incoterms

Lesson 2: Retaining Consistency Across Systems

Lesson Objectives

After completing this lesson, you will be able to:

- Manage cross-system visibility
- Manage cross-system changes

Lesson 3: Scheduling Sales Orders with SAP TM

Lesson Objectives

After completing this lesson, you will be able to:

- Schedule sales orders

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UNIT 5 Delivery Integration with SAP TM

Lesson 1: Triggering Delivery Creation from SAP TM

Lesson Objectives

After completing this lesson, you will be able to:

- Describe delivery documents
- Create a delivery

Lesson 2: Updating and Splitting Deliveries

Lesson Objectives

After completing this lesson, you will be able to:

- Update and split a delivery

Lesson 3: Managing Blocks

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the interaction of SAP ERP and SAP TM in case of blocks

Lesson 4: Integrating Handling Units

Lesson Objectives

After completing this lesson, you will be able to:

- Manage handling units and packaging material requirements in SAP ERP deliveries
- Integrate handling units in SAP TM

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UNIT 6 Transportation Demands for Planning

Lesson 1: Building Freight Units

Lesson Objectives

After completing this lesson, you will be able to:

- Define freight unit types
- Create freight units and freight unit building rules

Lesson 2: Building Packages

Lesson Objectives

After completing this lesson, you will be able to:

- Create freight units with packages

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UNIT 7 Transportation Planning

Lesson 1: Defining the Transportation Planning Process

Lesson Objectives

After completing this lesson, you will be able to:

- Identify the business process and documentation required for transportation planning

Lesson 2: Evaluating Freight Units

Lesson Objectives

After completing this lesson, you will be able to:

- Examine freight unit management of individual shipping requirements

Lesson 3: Creating Freight Orders for Shipping

Lesson Objectives

After completing this lesson, you will be able to:

- Create freight orders

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UNIT 8

SAP Transportation Management Transportation Network

Lesson 1: Integrating SAP ERP Master Data with SAP TM

Lesson Objectives

After completing this lesson, you will be able to:

- Examine the transfer of master data from the Core Interface to SAP TM
- Integrate customer master data

Lesson 2: Evaluating Location Masters

Lesson Objectives

After completing this lesson, you will be able to:

- Examine locations in SAP TM
- Examine customers in SAP TM
- Examine vendors in SAP TM
- Examine business partners in SAP TM
- Evaluate shipping points in SAP TM
- Evaluate geocoding locations in SAP TM

Lesson 3: Creating Transportation Zones

Lesson Objectives

After completing this lesson, you will be able to:

- Create transportation zones
- Create transportation zone hierarchies

Lesson 4: Defining Methods of Transportation

Lesson Objectives

After completing this lesson, you will be able to:

- Define transportation modes
- Define means of transport

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Lesson 5: Defining Transportation Lanes

Lesson Objectives

After completing this lesson, you will be able to:

- Create a transportation lane
- Examine transportation lane application during transportation planning

Lesson 6: Creating Carrier Profiles

Lesson Objectives

After completing this lesson, you will be able to:

- Examine the purpose of carrier profiles
- Examine product and transportation groups
- Examine equipment groups and equipment types
- Create carrier profiles

Lesson 7: Examining Resources in SAP TM

Lesson Objectives

After completing this lesson, you will be able to:

- Apply calendar resources
- Apply handling resources
- Apply vehicle resources

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UNIT 9 Conditions and Incompatibilities

Lesson 1: Defining Conditions in SAP TM

Lesson Objectives

After completing this lesson, you will be able to:

- Examine conditions

Lesson 2: Identifying Incompatibilities

Lesson Objectives

After completing this lesson, you will be able to:

- Identify the purpose of incompatibilities
- Create incompatibility definitions
- Create incompatibility settings

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UNIT 10

Transportation Planning Preparation

Lesson 1: Examining Optimizer Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Analyze the transportation planning process in SAP TM
- Examine optimizer planning

Lesson 2: Defining Selection Profiles

Lesson Objectives

After completing this lesson, you will be able to:

- Define selection profiles
- Create a geographical selection profile
- Create time selection profiles
- Create additional selection profiles

Lesson 3: Creating Planning Profiles

Lesson Objectives

After completing this lesson, you will be able to:

- Examine planning profiles
- Examine planning strategies
- Create a strategy

Lesson 4: Creating Capacity Selection Settings

Lesson Objectives

After completing this lesson, you will be able to:

- Create capacity selection settings

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UNIT 11

Interactive Planning with the Transportation Cockpit

Lesson 1: Customizing the Transportation Cockpit Layout

Lesson Objectives

After completing this lesson, you will be able to:

- Identify profile and layout set usage in the transportation cockpit
- Create a profile and layout set

Lesson 2: Customizing the Transportation Cockpit

Lesson Objectives

After completing this lesson, you will be able to:

- Identify the settings required to customize the transportation cockpit

Lesson 3: Performing Interactive Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Create freight orders using drag and drop
- Create freight orders using the command line
- Create freight orders using the interactive map
- Perform interactive planning

Lesson 4: Examining Freight Order Scheduling

Lesson Objectives

After completing this lesson, you will be able to:

- Identify freight order scheduling options
- Examine the optimizer planning log

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UNIT 12 Carrier Selection

Lesson 1: Performing Carrier Selection

Lesson Objectives

After completing this lesson, you will be able to:

- Define the parameters of the carrier selection process
- Manage carrier constraints and allocations
- Edit carrier selection settings
- Execute carrier selection

Lesson 2: Tendering Freight Orders

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the freight tendering process
- Tender a freight order
- Describe communication methods for tendering

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