TM100
Processes in Transportation Management

COURSE OUTLINE

Course Version: 15
Course Duration: 3 Day(s)
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American English is the standard used in this handbook. The following typographic conventions are also used.

<table>
<thead>
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<th>Convention</th>
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<td>User interface control</td>
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TARGET AUDIENCE
This course is intended for the following audiences:

• Application Consultant
• Data Consultant
• Development Consultant
• Technology Consultant
• Project Manager
• Project Stakeholder
• Developer
• End User
• Super / Key / Power User
Lesson 1: Evaluating SAP Transportation Management

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

- List the benefits of SAP Transportation Management
- Identify the scenarios supported for each release of SAP TM
- Explain the components of transportation planning
- Explain the components of transportation execution
- Identify the basic capabilities of SAP Transportation Management

Lesson 2: Evaluating the SAP TM System Landscape

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

- Explain the deployment options related to the SAP TM landscape
- Explain the system components present on the SAP TM server
- State the deployment options related to the SAP TM system and related components such as SAP Event Management
- Log on to SAP systems
Lesson 1: Identifying NetWeaver Business Client Components

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

- Describe the NetWeaver Business Client structure
- Navigate in the NWBC

Lesson 2: Personalizing Object Worklists

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

- Describe the requirements for transportation planning
- Create a query to filter transportation requirements

Lesson 3: Customizing the Screen Layout in TM

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

- Describe the screen layout in TM
- Customize TM screens
Lesson 1: Identifying Master Data Requirements for SAP TM

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

- List the master data elements supporting the different activities in TM
- List the master data elements that define the transportation network

Lesson 2: Evaluating the Organizational Structures Used in SAP TM

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

- Explain the purpose of organizational structures
- Control outbound freight using organizational structures
- Control forwarding orders using organizational structures
- Evaluate an organization for planning and execution
- Create an organizational structure

Lesson 3: Defining Conditions

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

- Determine how conditions can be used to customize a business process
- Display a condition or restriction

Lesson 4: Determining Freight Incompatibilities

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

- Examine how incompatibilities can be used to control the outcome of business processes
- View incompatibilities
Lesson 5: Determining Dangerous Goods Shipping Requirements

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

- Describe dangerous goods in terms of environment, health, and safety regulations
- View a dangerous goods master
Lesson 1: Triggering the Transportation Management Process

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

- Describe the transportation processes
- List the different types of transportation order scenarios
- Describe order management documents

Lesson 2: Integrating SAP ERP with SAP TM

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

- Describe ERP logistics integration
- Create a sales order
- Describe the integration of SAP ERP purchase orders
- Describe the integration of SAP ERP deliveries

Lesson 3: Managing the Freight Forwarding Process

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

- Describe the freight forwarding process

Lesson 4: Booking Capacities

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

- Describe the ocean order booking process
- Create an ocean-bound booking order
- Describe air freight bookings
Lesson 1: Defining the Transportation Planning Process

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

- Describe the business process and documentation required for transportation

Lesson 2: Viewing Freight Units

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

- View a freight unit

Lesson 3: Defining Selection Profiles

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

- Define the requirements for a selection profile
- Display selection profiles

Lesson 4: Determining Planning Profiles

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

- Describe the parameters that can be utilized to support planning in SAP TM
- Display a planning profile

Lesson 5: Accessing the Transportation Cockpit

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

- Access the transportation cockpit
Lesson 6: Creating Freight Orders

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

- Describe freight orders and freight order types required for shipping

Lesson 7: Optimizing Loads

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

- Describe load optimization
Lesson 1: Performing Carrier Selection

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

- Define the carrier selection process and its parameters

Lesson 2: Tendering Freight Orders

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

- Describe the order tendering process
- Tender a freight order

Lesson 3: Monitoring Transportation Events

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

- View freight order events
- Describe visibility scenarios
- Monitor the freight order process

Lesson 4: Exporting Freight Orders

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

- Process international shipments

Lesson 5: Generating Outputs

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

- Create a bill of lading
Lesson 6: Analyzing Transportation Management Performance

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

- Execute a query
- Execute a Business Context Viewer (BCV) query
Lesson 1: Managing Charge Calculation Master Data

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

- Describe a freight and forwarding agreement in transportation charge management
- Display elements of a calculation sheet
- Describe freight charges
- Display a scale

Lesson 2: Calculating Supplier Charges in Freight Orders

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

- Calculate charges in freight orders

Lesson 3: Settling Supplier Freight Charges

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

- Generate a freight settlement document
- Transfer freight charges to SAP ERP

Lesson 4: Calculating and Settling Customer Charges in Forwarding Orders

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

- Identify how charges are calculated for a forwarding order
- Generate a customer freight invoice

Lesson 5: Distributing Costs
Lesson Objectives
After completing this lesson, you will be able to:

- Distribute costs

Lesson 6: Managing Freight Contracts

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

- Describe the process of strategic freight management