

TM100

Processes in Transportation Management

COURSE OUTLINE

Course Version: 15

Course Duration: 3 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	<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
- 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