

TM100

Processes in Transportation Management

COURSE OUTLINE

Course Version: 17

Course Duration: 4 Day(s)

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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Application Consultant
- Business Analyst
- Business Process Owner/Team Lead/Power User
- Data Consultant/Manager
- Development Consultant
- Program/Project Manager
- Technology Consultant
- User

Lesson 1: Evaluating SAP TM

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
- Log on to the SAP system

Lesson 1: Identifying NetWeaver Business Client (NWBC) Components

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the NWBC structure
- Navigate in the NWBC

Lesson 2: Configuring a Personal Object Worklist (POWL)

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 SAP TM

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the screen layout in TM
- Customize the screen layout in SAP TM

Lesson 1: Identifying the 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 (FWOs) using organizational structures
- Evaluate an organization for planning and execution structures
- Create an organizational structure

Lesson 3: Defining a Condition

Lesson Objectives

After completing this lesson, you will be able to:

- Determine the conditions used to customize a business process
- Display a condition or restriction

Lesson 4: Determining a Freight Incompatibility

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 a Dangerous Goods Shipping Requirement

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 SAP ERP logistics integration
- Create a sales order
- Describe the integration of SAP ERP purchase orders
- Explain the process of generating transportation requirements in SAP TM from scheduling agreements in SAP ERP
- 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 freight booking process
- Create an ocean freight booking

- Describe an air freight booking

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 planning

Lesson 2: Viewing a Freight Unit

Lesson Objectives

After completing this lesson, you will be able to:

- View a freight unit

Lesson 3: Building a Package

Lesson Objectives

After completing this lesson, you will be able to:

- Describe package building

Lesson 4: Defining a Selection Profile

Lesson Objectives

After completing this lesson, you will be able to:

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

Lesson 5: Determining a Planning Profile

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the parameters used to support planning in SAP TM
- Display a planning profile

Lesson 6: Accessing the Transportation Cockpit

Lesson Objectives

After completing this lesson, you will be able to:

- Access the transportation cockpit
- Describe visual planning

Lesson 7: Generating a Transportation Proposal

Lesson Objectives

After completing this lesson, you will be able to:

- Generate a transportation proposal

Lesson 8: Creating a Freight Order

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the freight order and freight order types required for shipping

Lesson 9: Optimizing a Load

Lesson Objectives

After completing this lesson, you will be able to:

- Describe load optimization

Lesson 1: Performing a Carrier Selection

Lesson Objectives

After completing this lesson, you will be able to:

- Define the carrier selection process and parameters

Lesson 2: Tendering a Freight Order

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the order tendering process
- Tender a freight order

Lesson 3: Triggering Delivery Creation from SAP TM

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the delivery integration process
- Create a delivery

Lesson 4: Executing Transportation in SAP ERP

Lesson Objectives

After completing this lesson, you will be able to:

- Integrate a freight order with a shipment
- Create a shipment from a freight order
- Create a freight order from a shipment

Lesson 5: Executing Transportation in SAP Extended Warehouse Management (SAP EWM)

Lesson Objectives

After completing this lesson, you will be able to:

- Integrate SAP EWM based on a shipment
- Integrate SAP EWM based on a delivery
- Integrate SAP EWM for transit warehousing

Lesson 6: Generating Outputs

Lesson Objectives

After completing this lesson, you will be able to:

- Generate outputs

Lesson 7: Monitoring Transportation Events

Lesson Objectives

After completing this lesson, you will be able to:

- View a freight order event
- Describe visibility scenarios
- Monitor the freight order process

Lesson 8: Exporting a Freight Order

Lesson Objectives

After completing this lesson, you will be able to:

- Process an international shipment

Lesson 9: Analyzing SAP 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 the elements of a charge calculation sheet
- Describe rate tables in charge management
- Display a scale
- Manage master data

Lesson 2: Calculating Supplier Charges in a Freight Order

Lesson Objectives

After completing this lesson, you will be able to:

- Calculate charges in a freight order

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
- Settle a charge in the collaboration portal

Lesson 4: Calculating and Settling Customer Charges in an FWO

Lesson Objectives

After completing this lesson, you will be able to:

- Identify how charges are calculated for a FWO
- Generate a customer freight invoice
- Settle an internal charge

Lesson 5: Distributing Costs

Lesson Objectives

After completing this lesson, you will be able to:

- Distribute costs

Lesson 6: Settling Freight Charges in a Group Logistics Company

Lesson Objectives

After completing this lesson, you will be able to:

- Describe a group logistics company settlement

Lesson 7: Managing a Freight Contract

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the process of strategic freight management