S4TM1

Business Processes in embedded TM in SAP S/4HANA

COURSE OUTLINE

Course Version: 23 Course Duration:

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Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

- Business Analyst
- Business Process Owner/Team Lead/Power User
- User



UNIT 1 Transportation Management as Part of SAP S/4HANA **Enterprise Management**

Lesson 1: Describing SAP S/4HANA Enterprise Management: Motivation and Overview

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the motivation behind SAP S/4HANA Enterprise Management
- Describe the main components of SAP S/4HANA Enterprise Management

Lesson 2: Evaluating Transportation Management

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the capabilities of SAP Transportation Management
- Describe the end-to-end transportation processes

Lesson 3: Explaining Basic and Advanced Transportation Management (TM)

Lesson Objectives

- Explain how LE-TRA relates to basic shipping
- Describe the differences between basic shipping and advanced transportation management



UNIT 2 New User Experience - Working with SAP TM

Lesson 1: Describing the SAP Fiori UX Strategy

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the SAP UX strategy based on SAP Fiori
- Explain the elements of personalization within SAP Fiori

Lesson 2: Using Worklists in SAP TM

Lesson Objectives

- · Describe the screen layout of worklists
- Create a query to filter transportation requirements



UNIT 3

Transportation Management Master Data and Configuration

Lesson 1: Creating Business Partners

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the role of business partners
- Create business partners for customers and carriers

Lesson 2: Creating the Transportation Network

Lesson Objectives

After completing this lesson, you will be able to:

- List the master data elements that define the transportation network
- Create locations, transportation zones, and transportation lanes
- Explain the concept of the scenario builder

Lesson 3: 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
- Maintain the link between MM/SD organizations and SAP TM organizations

Lesson 4: Defining Conditions and Freight Incompatibilities

Lesson Objectives

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



- Examine how incompatibilities can be used to control the outcome of business processes
- Dangerous goods restrictions modeled as incompatibilities

UNIT 4

Creation of Transportation Requirements

Lesson 1: Triggering the Transportation Management Process

Lesson Objectives

After completing this lesson, you will be able to:

• Describe the creation of transportation requirements

Lesson 2: Explaining Logistics Integration

Lesson Objectives

After completing this lesson, you will be able to:

- Define transportation relevance of documents
- Determine routing based on Incoterms
- · Create a SD sales order
- Describe the integration of MM purchase orders
- Describe the Integration of MM scheduling agreements

Lesson 3: Creating Freight Units

Lesson Objectives

After completing this lesson, you will be able to:

- Create freight units and freight unit building rules
- · View a freight unit

Lesson 4: Building a Package

Lesson Objectives

- Explain the representation of handling units
- · Describe package building
- Explain the concept of normalized load quantity



Lesson 5: Managing the Freight Forwarding Process

Lesson Objectives

After completing this lesson, you will be able to:

• Describe the freight forwarding process



UNIT 5 Transportation Planning

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
- Define freight order types

Lesson 2: Defining Selection and Planning Profiles

Lesson Objectives

After completing this lesson, you will be able to:

- Define the requirements for a selection profile
- Display a selection profile
- Describe the parameters used to support planning in SAP TM
- · Display a planning profile
- Describe the concept of profile and layout sets

Lesson 3: Accessing the Transportation Cockpit for Interactive Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Access the transportation cockpit
- · Describe visual planning
- Create freight orders for road transportation
- Explain the scheduling logic

Lesson 4: Creating Freight Orders using Optimization

Lesson Objectives



- Understand the Logic of VSR Optimization
- Execute the VSR optimizer
- Describe transportation units

Lesson 5: Generating a Transportation Proposal

Lesson Objectives

After completing this lesson, you will be able to:

• Generate a transportation proposal

Lesson 6: Optimizing a Load

Lesson Objectives

After completing this lesson, you will be able to:

· Describe load planning

Lesson 7: Creating Freight Bookings

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the ocean freight booking process
- · Create an ocean freight booking

Lesson 8: Performing Carrier Selection

Lesson Objectives

After completing this lesson, you will be able to:

- Define the carrier selection process and parameters
- · Assign carriers to freight orders

Lesson 9: Tendering a Freight Order

Lesson Objectives

- Describe the tendering process
- · Tender a freight order

UNIT 6 Transportation Execution

Lesson 1: Processing Deliveries

Lesson Objectives

After completing this lesson, you will be able to:

- · Describe delivery processing
- Create a delivery
- Describe the freight and transport execution process in transportation management

Lesson 2: Exploring Integration with Warehousing

Lesson Objectives

After completing this lesson, you will be able to:

- · Post goods issue for the deliveries
- Explain delivery-based integration to SAP EWM
- Integrate SAP EWM for transit warehousing

Lesson 3: Generating Outputs

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the Output Management in basic shipping
- Generate outputs for your freight order and preview the documents

Lesson 4: Monitoring Transportation Events

Lesson Objectives

After completing this lesson, you will be able to:

- Describe visibility scenarios
- · View events in freight units/orders

Lesson 5: Understand Customs Processing and Compliance



Lesson Objectives

After completing this lesson, you will be able to:

• Process an international shipment

Lesson 6: Analyzing SAP Transportation Management Performance

Lesson Objectives

- Explore analytics content
- Explain the concept of embedded analytics

UNIT 7 Financial Processes in **Transportation**

Lesson 1: Managing Charge Calculation Master Data

Lesson Objectives

After completing this lesson, you will be able to:

- Describe a freight agreement and its content
- Display the elements of a charge calculation sheet
- · Describe rate tables in charge management
- Display a scale

Lesson 2: Calculate Charges in a Freight Order

Lesson Objectives

After completing this lesson, you will be able to:

Calculate transportation charges

Lesson 3: Settling Freight Charges

Lesson Objectives

After completing this lesson, you will be able to:

- · Generate a freight settlement document
- Post freight charges to MM
- Verify freight invoices

Lesson 4: Distributing Costs

Lesson Objectives

After completing this lesson, you will be able to:

- Distribute freight costs
- Include freight costs into the SD billing document

Lesson 5: Calculating and Settling Charges in Forwarding Orders



Lesson Objectives

After completing this lesson, you will be able to:

- · Identify how charges are calculated for a FWO
- Generate a forwarding settlement document
- Settle an internal charge

Lesson 6: Settling Freight Charges in a Group Logistics Scenario

Lesson Objectives

After completing this lesson, you will be able to:

• Describe a group logistics scenario

Lesson 7: Managing Freight and Forwarding Agreements

Lesson Objectives

After completing this lesson, you will be able to:

• Describe the process of strategic freight management