

# S4TM1

## Business Processes in embedded TM in SAP S/4HANA

### COURSE OUTLINE

Course Version: 17

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





## **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**

After completing this lesson, you will be able to:

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



## 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

After completing this lesson, you will be able to:

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



## 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

After completing this lesson, you will be able to:

- 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

## 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

After completing this lesson, you will be able to:

- 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



## 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

After completing this lesson, you will be able to:

- 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**

After completing this lesson, you will be able to:

- Describe the tendering process
- Tender a freight order

## 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**

After completing this lesson, you will be able to:

- Explore analytics content
- Explain the concept of embedded analytics

## 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