

# TM110

## Order Management and Planning Basics in SAP Transportation Management

### COURSE OUTLINE

Course Version: 18  
Course Duration:

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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
- Business Process Architect





## Lesson 1: Describing Transportation Requirements

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe outbound and inbound transportation requirements



## Lesson 1: Integrating SAP ERP Master Data with SAP TM

### Lesson Objectives

After completing this lesson, you will be able to:

- Examine the transfer of master data from the Core Interface to SAP TM
- Integrate customer master data

## Lesson 2: Evaluating Master Data in SAP TM

### Lesson Objectives

After completing this lesson, you will be able to:

- Examine locations in SAP TM
- Examine customers in SAP TM
- Examine vendors in SAP TM
- Evaluate shipping points in SAP TM
- Examine business partners in SAP TM



## Lesson 1: Preparing SAP TM for Integration of Transportation Requirements

### Lesson Objectives

After completing this lesson, you will be able to:

- Define transportation requirement types

## Lesson 2: Preparing SAP ERP for Integration of Transportation Requirements

### Lesson Objectives

After completing this lesson, you will be able to:

- Activate SAP ERP order and delivery integration

## Lesson 3: Integrating Sales Orders and Deliveries into SAP TM

### Lesson Objectives

After completing this lesson, you will be able to:

- Configure output types for integration into SAP TM

## Lesson 4: Generating Transportation Requirements in SAP TM

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain the process of generating transportation requirements in SAP TM from sales orders in SAP ERP
- Describe the impact of changes to the shipping condition

## Lesson 5: Integrating Purchase Orders into SAP TM

### Lesson Objectives

After completing this lesson, you will be able to:

- Create a purchase order in SAP ERP and identify requirements for integration into SAP TM

## **Lesson 6: Integrating Scheduling Agreements into SAP TM**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Explain the generation of transportation requirements in SAP TM from scheduling agreements in SAP ERP

## **Lesson 1: Integrating Routing Information from SAP ERP**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Determine routing based on Incoterms

## **Lesson 2: Retaining Consistency Across Systems**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Manage cross-system visibility
- Manage cross-system changes

## **Lesson 3: Scheduling Sales Orders with SAP TM**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Schedule sales orders





## Lesson 1: Triggering Delivery Creation from SAP TM

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe delivery documents
- Create a delivery

## Lesson 2: Updating and Splitting Deliveries

### Lesson Objectives

After completing this lesson, you will be able to:

- Update and split a delivery

## Lesson 3: Managing Blocks

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain the interaction of SAP ERP and SAP TM in case of blocks

## Lesson 4: Integrating Handling Units

### Lesson Objectives

After completing this lesson, you will be able to:

- Manage handling units and packaging material requirements in SAP ERP deliveries
- Integrate handling units in SAP TM



## Lesson 1: Building Freight Units

### Lesson Objectives

After completing this lesson, you will be able to:

- Define freight unit types
- Create freight units and freight unit building rules

## Lesson 2: Building Packages

### Lesson Objectives

After completing this lesson, you will be able to:

- Create freight units with packages



## Lesson 1: Evaluating Location Masters

### Lesson Objectives

After completing this lesson, you will be able to:

- Examine locations in SAP TM
- Evaluate geocoding locations in SAP TM

## Lesson 2: Creating Transportation Zones

### Lesson Objectives

After completing this lesson, you will be able to:

- Create transportation zones
- Create transportation zone hierarchies

## Lesson 3: Defining Methods of Transportation

### Lesson Objectives

After completing this lesson, you will be able to:

- Define transportation modes
- Define means of transport

## Lesson 4: Defining Transportation Lanes

### Lesson Objectives

After completing this lesson, you will be able to:

- Create a transportation lane
- Examine transportation lane application during transportation planning

## Lesson 5: Creating Carrier Profiles

### Lesson Objectives

After completing this lesson, you will be able to:

- Examine the purpose of carrier profiles
- Examine product and transportation groups
- Examine equipment groups and equipment types
- Create carrier profiles

## **Lesson 6: Examining Resources in SAP TM**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Apply calendar resources
- Apply handling resources
- Apply vehicle resources

## **Lesson 1: Defining the Transportation Planning Process**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Identify the business process and documentation required for transportation planning

## **Lesson 2: Evaluating Freight Units**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Examine freight unit management of individual shipping requirements

## **Lesson 3: Creating Freight Orders for Shipping**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Create freight orders





## Lesson 1: Defining Conditions in SAP TM

### Lesson Objectives

After completing this lesson, you will be able to:

- Examine conditions

## Lesson 2: Identifying Incompatibilities

### Lesson Objectives

After completing this lesson, you will be able to:

- Identify the purpose of incompatibilities
- Create incompatibility definitions
- Create incompatibility settings



## Lesson 1: Examining Optimizer Planning

### Lesson Objectives

After completing this lesson, you will be able to:

- Analyze the transportation planning process in SAP TM
- Examine optimizer planning

## Lesson 2: Defining Selection Profiles

### Lesson Objectives

After completing this lesson, you will be able to:

- Define selection profiles
- Create a geographical selection profile
- Create time selection profiles
- Create additional selection profiles

## Lesson 3: Creating Planning Profiles

### Lesson Objectives

After completing this lesson, you will be able to:

- Examine planning profiles
- Examine planning strategies
- Create a strategy

## Lesson 4: Creating Capacity Selection Settings

### Lesson Objectives

After completing this lesson, you will be able to:

- Create capacity selection settings



## Lesson 1: Customizing the Transportation Cockpit Layout

### Lesson Objectives

After completing this lesson, you will be able to:

- Identify profile and layout set usage in the transportation cockpit
- Create a profile and layout set

## Lesson 2: Customizing the Transportation Cockpit

### Lesson Objectives

After completing this lesson, you will be able to:

- Identify the settings required to customize the transportation cockpit

## Lesson 3: Performing Interactive Planning

### Lesson Objectives

After completing this lesson, you will be able to:

- Create freight orders using drag and drop
- Create freight orders using the command line
- Create freight orders using the interactive map
- Perform interactive planning

## Lesson 4: Examining Freight Order Scheduling

### Lesson Objectives

After completing this lesson, you will be able to:

- Identify freight order scheduling options
- Examine the optimizer planning log



## Lesson 1: Performing Carrier Selection

### Lesson Objectives

After completing this lesson, you will be able to:

- Define the parameters of the carrier selection process
- Manage carrier constraints and allocations
- Edit carrier selection settings
- Execute carrier selection

## Lesson 2: Tendering Freight Orders

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the freight tendering process
- Tender a freight order
- Describe communication methods for tendering