

# S4141

## Quality Planning and Inspection in SAP S/4HANA

### COURSE OUTLINE

Course Version: 23

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

*Example text*

Window title

*Example text*



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# Course Overview

## **TARGET AUDIENCE**

This course is intended for the following audiences:

- Application Consultant
- End User
- Super / Key / Power User
- Business User





# UNIT 1

# Quality Management Processes in the Logistics Processes

## Lesson 1: Understanding the Positioning of Quality Management

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the integration of Quality Management (QM) in the logistical processes and explain the most important areas of Quality Management

## Lesson 2: Understanding the Inspection Process Flow in Quality Management - Overview

### Lesson Objectives

After completing this lesson, you will be able to:

- Get an overview of the inspection process flow

## Lesson 3: Understanding the Problem Processing with Quality Notifications - Overview

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe problem processing with quality notifications



## Lesson 1: Using Material Master and Inspection Settings

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the inspection settings in the material master
- Explain Customizing for the inspection settings

## Lesson 2: Using Sample Determination

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain the master data for sample determination
- Describe the tasks of the sampling procedure

## Lesson 3: Using Dynamic Modification

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the structure of the modification rule
- Explain how to use dynamic modification

## Lesson 4: Processing Inspection Setup - Mass Maintenance

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the mass maintenance options for the inspection setup
- Use mass maintenance for an inspection setup that is already active

## Lesson 5: Using Master Inspection Characteristic

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the structure of master inspection characteristics
- Explain the options for using master inspection characteristics

## **Lesson 6: Using Input Processing for Measured Values**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Explain the functions of input processing for measured values
- Describe how these functions can be used

## **Lesson 7: Using Code Groups and Codes**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Describe the structure of coding
- Describe how the different catalog types can be used

## **Lesson 8: Using Selected Sets and Catalog Profile**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Describe the structure of a selected set
- Explain how selected sets can be used in inspection planning

## **Lesson 9: Using Inspection Method**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Describe the possible uses of inspection methods
- Explain inspection planning using inspection methods

## **Lesson 10: Distributing QM Basic Data**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Distribute certain QM basic data to other systems
- Describe the different distribution processes

## **Lesson 11: Using the Material Specification**

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## Lesson Objectives

After completing this lesson, you will be able to:

- Explain the structure of the material specification
- Describe the possible uses of the material specification



## Lesson 1: Using the Inspection Plan

### Lesson Objectives

After completing this lesson, you will be able to:

- Use the inspection plan
- Describe the assignment of QM basic data in the inspection plan

## Lesson 2: Using Test Equipment

### Lesson Objectives

After completing this lesson, you will be able to:

- Use test equipment
- Explain the prerequisites for regularly monitoring the test equipment used

## Lesson 3: Using Inspection Characteristics in the Inspection Plan

### Lesson Objectives

After completing this lesson, you will be able to:

- Use and create additional inspection characteristics in inspection plans

## Lesson 4: Using Reference Operation Set and Product Structure

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain the options for the product structure within inspection planning

## Lesson 5: Using the Engineering Workbench

### Lesson Objectives

After completing this lesson, you will be able to:

- Use the Engineering Workbench for inspection planning

## **Lesson 6: Using Engineering Change Management**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Describe the structure of the change master record

## **Lesson 7: Using Task List - Material Specification**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Use Task List - Material Specification

## **Lesson 8: Using Flexible Inspection Specifications**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Describe the requirements for flexible inspection specifications

## **Lesson 9: Using Multiple Specifications - Overview (Optional)**

### **Lesson Objectives**

After completing this lesson, you will be able to:

- Use multiple specifications in inspection planning, in the inspection process, and at certificate creation



## Lesson 1: Recording and Valuating Inspection Results

### Lesson Objectives

After completing this lesson, you will be able to:

- Explain the different valuation options for inspection results
- Describe the processes in results recording



## Lesson 1: Using Defects Recording in Inspection Processing

### Lesson Objectives

After completing this lesson, you will be able to:

- Record defects at inspection lot, operation, or characteristic level
- Activate a quality notification from the created defect record



## Lesson 1: Processing Inspection Completion with the Usage Decision

### Lesson Objectives

After completing this lesson, you will be able to:

- Process inspection completion with the usage decision
- Plan UD codes



## Lesson 1: Explaining Definition and Structure of Notifications

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the elements that are constituent parts of a quality notification system
- Describe the structure of a quality notification and how it can be used
- Describe how you can configure a quality notification





## Lesson 1: Using Quality Notifications at Goods Receipt

### Lesson Objectives

After completing this lesson, you will be able to:

- Use quality notifications at goods receipt
- Complain when a faulty delivery is received

## Lesson 2: Processing Customer Complaints

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the procedure for returns and repairs processing using quality notifications



## Lesson 1: Using Quality Notification During Production

### Lesson Objectives

After completing this lesson, you will be able to:

- Create quality notifications in the system for general internal problems
- Create and process quality notifications with order confirmation



## Lesson 1: Using General Functions and Customizing Settings for Quality Notifications

### Lesson Objectives

After completing this lesson, you will be able to:

- Define new notification types and set up the required screen areas
- Explain the functions and structure of the action box for the notification type



## Lesson 1: Using QM Order

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe how the QM order is used and represented in the SAP system
- Create and Assign a QM order
- Describe how a confirmation is executed for the QM order
- Settle a QM order
- Display a cost report for a QM order





## Lesson 1: Using SAP Business Workflow in Quality Management - Overview

### Lesson Objectives

After completing this lesson, you will be able to:

- Describe the main elements of the SAP Business Workflow
- Describe the use of the SAP Business Workflow in processes in quality management
- Describe the basic Customizing activities for the workflow