S4141

Quality Planning and Inspection in SAP S/4HANA

COURSE OUTLINE

Course Version: 23
Course Duration:

SAP Copyrights, Trademarks and Disclaimers

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*

Contents

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

UNIT 2 Basic Data in Quality Management

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

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

UNIT 3 Inspection Planning

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

UNIT 4 Results Recording

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

UNIT 5 Defects 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

UNIT 6 Usage Decision

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

UNIT 7 Definition and Structure of Notifications

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

UNIT 8 Quality Notifications in Logistics

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

UNIT 9

Quality Notifications in Production

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

UNIT 10

General Functions of Quality Notifications

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

UNIT 11 Quality-Related Costs and QM Orders

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

UNIT 12

SAP Business Workflow in QM - Overview

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