PLM412

Quality Planning and Inspection

COURSE OUTLINE

Course Version: 15
Course Duration: 5 Day(s)

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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*

Contents

Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

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

UNIT 1 QM Processes in the Logistics Processes

Lesson 1: Positioning of Quality Management

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the integration of QM in the logistical processes and explain the most important areas of QM.

Lesson 2: Inspection Process Flow in Quality Management- Overview

Lesson Objectives

After completing this lesson, you will be able to:

- Outline the different factors in the logistics supply chain that trigger inspection lot creation
- Identify the key steps for processing an inspection lot

Lesson 3: Problem Processing with Quality Notifications- Overview

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the possible uses of quality notification
- Describe problem processing.
- Use a customer complaint to illustrate what a quality notification describes, on what data this quality notification is based, and what options are provided by the link to the Workflow.

UNIT 2 Basic Data in Quality Management

Lesson 1: 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: 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: 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: 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: 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: 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: 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: 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: 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: 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: The Inspection Plan

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the structure of an inspection plan.
- Describe the assignment of QM basic data in the inspection plan.

Lesson 2: Test Equipment

Lesson Objectives

After completing this lesson, you will be able to:

- Use test equipment in inspection planning.
- Explain the prerequisites for regularly monitoring the test equipment used.

Lesson 3: Inspection Characteristics in the InspectionPlan

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the use of QM basic data at characteristic level in an inspection plan.
- Create additional inspection characteristics in inspection plans.

Lesson 4: Reference Operation Set and Product Structure

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the structure and use of reference operation sets.
- Explain the options for the product structure within inspection planning.

Lesson 5: Engineering Workbench

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the structure and use of the Engineering Workbench.
- Use the Engineering Workbench for inspection planning.

Lesson 6: Engineering change management

Lesson Objectives

After completing this lesson, you will be able to:

- Explain how engineering change management can be used in inspection planning.
- Describe the structure of the change master record.

Lesson 7: Task List - Material Specification

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the options for using task lists and material specifications.

Lesson 8: Flexible Inspection Specifications

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the options for the flexible selection of specifications.
- Describe the requirements for flexible inspection specifications.

Lesson 9: Multiple Specifications - Overview (Optional)

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the options for using multiple specifications.
- 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:

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

UNIT 5 Defects Recording

Lesson 1: Defects Recording in Inspection Processing

Lesson Objectives

After completing this lesson, you will be able to:

- Plan defects recording using a confirmation profile, catalog profile, and report type.
- Record defects at inspection lot, operation, or characteristic level.
- Activate a quality notification from the created defect record.

UNIT 6 Usage Decision

Lesson 1: Inspection Completion with the Usage Decision

Lesson Objectives

After completing this lesson, you will be able to:

- Make a usage decision for an inspection lot and understand the individual functions and effects of a usage decision.
- Plan UD codes.

UNIT 7

Definition and Structure of Notifications

Lesson 1: Definition and Structure of Notifications

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the notification systems in SAP system and the areas to which they belong.
- Describe the structure of a quality notification and how it can be used.
- Describe how you can configure a quality notification.
- Describe the data contained at different levels of the notification.
- Describe the elements that are constituent parts of a quality notification system.

UNIT 8 Quality Notifications in Logistics

Lesson 1: Quality Notifications at Goods Receipt

Lesson Objectives

After completing this lesson, you will be able to:

- Create a quality notification as a complaint against a vendor.
- Complain when a faulty delivery is received.

Lesson 2: Quality Inspection and Defect Notification at Goods Receipt

Lesson Objectives

After completing this lesson, you will be able to:

- Carry out defects recording using an inspection lot at goods receipt.
- Use a quality notification to process the defect further.

Lesson 3: Customer Complaints

Lesson Objectives

After completing this lesson, you will be able to:

- Create a quality notification for a customer complaint.
- Describe the procedure for returns and repairs processing using quality notifications.

UNIT 9 Quality Notifications in Production

Lesson 1: 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 2: Quality Inspections and Defect Notifications During Production

Lesson Objectives

After completing this lesson, you will be able to:

- Record defects for a quality inspection in production.
- Process the quality notifications used to record the defects.

UNIT 10

General Functions of Quality Notifications

Lesson 1: Customizing Settings for 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 2: Status Management for Notifications

Lesson Objectives

After completing this lesson, you will be able to:

- List the most important functions of the general status management.
- Create a status profile and assign it to the notification type.

Lesson 3: Other General Functions for Notifications

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the purpose of the follow-up actions for tasks.
- Use the action log to understand changes to a quality notification.

UNIT 11 Quality-related Costs and QM Orders

Lesson 1: QM order

Lesson Objectives

After completing this lesson, you will be able to:

- Describe how the QM order is used.
- Describe how the QM order is 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: SAP Business Workflow in QM - 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.

UNIT 13 Evaluations

Lesson 1: Evaluations Based on Original Documents

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the different evaluation options.
- Carry out evaluations of inspection lots and quality notifications.

Lesson 2: Standard analyses

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the worklist functions for inspection lots (reporting).
- Evaluate inspection lot data using the QM Information System.
- Transfer evaluation data to a subsystem using the QM-STI Interface.

UNIT 14 Appendix

Lesson 1: Vendor Evaluation

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the score levels for the vendor evaluation and Explain how the“Quality” score is made up.

Lesson 2: Technical Details

Lesson Objectives

After completing this lesson, you will be able to:

- Use additional technical Details