

S4140

Quality Management in SAP S/4HANA

COURSE OUTLINE

Course Version: 23

Course Duration:

SAP Copyrights, Trademarks and Disclaimers

© 2023 SAP SE or an SAP affiliate company. All rights reserved.

No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP SE or an SAP affiliate company.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP SE (or an SAP affiliate company) in Germany and other countries. Please see <https://www.sap.com/corporate/en/legal/copyright.html> for additional trademark information and notices.

Some software products marketed by SAP SE and its distributors contain proprietary software components of other software vendors.

National product specifications may vary.

These materials may have been machine translated and may contain grammatical errors or inaccuracies.

These materials are provided by SAP SE or an SAP affiliate company for informational purposes only, without representation or warranty of any kind, and SAP SE or its affiliated companies shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP SE or SAP affiliate company products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

In particular, SAP SE or its affiliated companies have no obligation to pursue any course of business outlined in this document or any related presentation, or to develop or release any functionality mentioned therein. This document, or any related presentation, and SAP SE's or its affiliated companies' strategy and possible future developments, products, and/or platform directions and functionality are all subject to change and may be changed by SAP SE or its affiliated companies at any time for any reason without notice. The information in this document is not a commitment, promise, or legal obligation to deliver any material, code, or functionality. All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

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

vii Course Overview

1 Unit 1: Navigation - Optional Unit

- | | |
|---|--|
| 1 | Lesson: Accessing the SAP System |
| 1 | Lesson: Calling Functions |
| 1 | Lesson: Getting Help |
| 1 | Lesson: Personalizing the User Interface |

3 Unit 2: Basics

- | | |
|---|--|
| 3 | Lesson: Outlining Processes and Available Solutions |
| 3 | Lesson: Identifying Quality Management as Part of the SAP Solution Portfolio |

5 Unit 3: Overview of Quality Management in the Logistics Supply Chain

- | | |
|---|--|
| 5 | Lesson: Using Quality Management in Company Processes |
| 5 | Lesson: Integrating Quality Management Processes in the Logistics Supply Chain |

7 Unit 4: Quality Management in Procurement

- | | |
|---|--|
| 7 | Lesson: Processing Quality Management Tasks in Procurement |
|---|--|

9 Unit 5: Quality Management in Production

- | | |
|---|---|
| 9 | Lesson: Processing Quality Management Tasks in Production |
|---|---|

11 Unit 6: Quality Management in Sales and Distribution and Service

- | | |
|----|---|
| 11 | Lesson: Processing Quality Management Tasks in Sales and Distribution |
|----|---|

13 Unit 7: Functions in Detail - Quality Planning

- | | |
|----|---|
| 13 | Lesson: Using Logistics Master Data in Quality Planning |
| 13 | Lesson: Executing Inspection Planning and using Quality Management Basic Data |
| 13 | Lesson: Using Failure Mode and Effects Analysis and Control Plan |

15 Unit 8: Functions in Detail - Quality Inspection

- | | |
|----|--|
| 15 | Lesson: Using the Inspection Lot |
| 15 | Lesson: Processing Inspection Lot Creation |
| 15 | Lesson: Executing Quality Inspection and Inspection Lot Completion |
| 15 | Lesson: Using Sample Management |

17	Unit 9:	Functions in Detail - Quality Certificates
17		Lesson: Processing Quality Certificates
19	Unit 10:	Functions in Detail - Quality Notifications
19		Lesson: Performing General Notification Processing
19		Lesson: Using Quality Notifications in the Logistics Supply Chain
21	Unit 11:	Functions in Detail - Quality Control
21		Lesson: Using Dynamic Modification and Statistical Process Control
21		Lesson: Analyzing Quality Scores and Quality Costs
21		Lesson: Using Evaluations in Quality Management
23	Unit 12:	Functions in Detail - Test Equipment Management
23		Lesson: Using Test Equipment Management
25	Unit 13:	Functions in Detail - Stability Study
25		Lesson: Analyzing the Stability Study Process Flow
25		Lesson: Identifying the Objects in the Stability Study
27	Unit 14:	Audit Management
27		Lesson: Using Audit Management
29	Unit 15:	Implementing QM
29		Lesson: Implementing QM

Course Overview

TARGET AUDIENCE

This course is intended for the following audiences:

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

Lesson 1: Accessing the SAP System

Lesson Objectives

After completing this lesson, you will be able to:

- Log on to the system successfully

Lesson 2: Calling Functions

Lesson Objectives

After completing this lesson, you will be able to:

- Use various methods to call SAP system functions

Lesson 3: Getting Help

Lesson Objectives

After completing this lesson, you will be able to:

- Use the basic functions of the F1 help and the F4 help

Lesson 4: Personalizing the User Interface

Lesson Objectives

After completing this lesson, you will be able to:

- Use the various options for personalizing the SAP system

Lesson 1: Outlining Processes and Available Solutions

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the basics of the EDP-based Quality Management System

Lesson 2: Identifying Quality Management as Part of the SAP Solution Portfolio

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the subareas of SAP S/4HANA Quality Management and their tasks

Lesson 1: Using Quality Management in Company Processes

Lesson Objectives

After completing this lesson, you will be able to:

- Understand the use of quality management in the different processes within a company

Lesson 2: Integrating Quality Management Processes in the Logistics Supply Chain

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the planned processes and the event-controlled processes in Quality Management

UNIT 4

Quality Management in Procurement

Lesson 1: Processing Quality Management Tasks in Procurement

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the procurement processes from a quality management standpoint

Lesson 1: Processing Quality Management Tasks in Production

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the possible uses of the SAP Application Quality Management in production

Lesson 1: Processing Quality Management Tasks in Sales and Distribution

Lesson Objectives

After completing this lesson, you will be able to:

- List the options for using the SAP Application Quality Management in the sales processing and service areas

Lesson 1: Using Logistics Master Data in Quality Planning

Lesson Objectives

After completing this lesson, you will be able to:

- Explain and use logistics master data in quality planning

Lesson 2: Executing Inspection Planning and using Quality Management Basic Data

Lesson Objectives

After completing this lesson, you will be able to:

- Executing Inspection Planning

Lesson 3: Using Failure Mode and Effects Analysis and Control Plan

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the contents of FMEA and control plan

Lesson 1: Using the Inspection Lot

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the creation of inspection lots

Lesson 2: Processing Inspection Lot Creation

Lesson Objectives

After completing this lesson, you will be able to:

- Explain how the inspection specifications are determined and explain the steps in inspection lot creation

Lesson 3: Executing Quality Inspection and Inspection Lot Completion

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the processes in results recording and defects recording

Lesson 4: Using Sample Management

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the objects used in sample management

UNIT 9

Functions in Detail - Quality Certificates

Lesson 1: Processing Quality Certificates

Lesson Objectives

After completing this lesson, you will be able to:

- Plan certificates

Lesson 1: Performing General Notification Processing

Lesson Objectives

After completing this lesson, you will be able to:

- Describe how notifications can be used

Lesson 2: Using Quality Notifications in the Logistics Supply Chain

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the possible uses of quality notifications

Lesson 1: Using Dynamic Modification and Statistical Process Control

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the uses of dynamic modification

Lesson 2: Analyzing Quality Scores and Quality Costs

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the purpose of the quality score for the inspection lot

Lesson 3: Using Evaluations in Quality Management

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the different evaluation options

Lesson 1: Using Test Equipment Management

Lesson Objectives

After completing this lesson, you will be able to:

- Describe the planning of the calibration inspection

Lesson 1: Analyzing the Stability Study Process Flow

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the process flow of a stability study

Lesson 2: Identifying the Objects in the Stability Study

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the objects used in a stability study

Lesson 1: Using Audit Management

Lesson Objectives

After completing this lesson, you will be able to:

- Explain the components of Audit Management

Lesson 1: Implementing QM

Lesson Objectives

After completing this lesson, you will be able to:

- Describe how to adapt the system to suit your needs