

Quality Planning and Inspection in SAP S/4HANA - S4141

Course Duration: 40 Hours

Course code: 4141

1. Course Overview

This course provides a comprehensive understanding of Quality Management (QM) processes in SAP S/4HANA, focusing on quality planning, inspection, and control. Learners will gain hands-on experience in configuring inspection processes, managing quality notifications, and ensuring compliance with industry standards through integrated quality management.

2. What you'll learn?

By the end of the course, you will be able to:

- Understand SAP S/4HANA Quality Management (QM) architecture
- Configure quality planning and inspection processes
- Manage inspection lots and inspection types
- Define sampling procedures and inspection characteristics
- Perform quality inspections during procurement, production, and delivery
- Handle quality notifications and corrective actions
- Integrate QM with MM, PP, and SD modules
- Generate quality reports and analytics

3. Target Audience

This course is ideal for:

- SAP QM Consultants
- Quality Assurance and Control Professionals
- Production and Operations Managers
- SAP Functional Consultants
- Manufacturing Industry Professionals

4. Pre-Requisites

Before taking this course, you should have:

- Basic understanding of SAP S/4HANA
- Knowledge of manufacturing or quality processes
- Familiarity with SAP navigation (Fiori or GUI)
- Basic understanding of MM and PP modules (recommended)

5. Course content

Module 1: Course Introduction

- Course overview and objectives
- Introduction to SAP S/4HANA QM
- Role of quality management in enterprise systems

Module 2: Overview of SAP QM in S/4HANA

- QM module architecture
- Integration with MM, PP, SD
- Key master data and organizational elements
- Business process overview

Module 3: Quality Planning Fundamentals

- Quality planning concepts
- Master inspection characteristics (MIC)
- Inspection methods and catalogs
- Sampling procedures

Module 4: Inspection Planning

- Creating inspection plans
- Task lists and routing integration
- Version management
- Plan usage in procurement and production

Module 5: Quality Certificates and Specifications

- Material specifications
- Quality certificates
- Certificate profiles and types
- Compliance requirements

Module 6: Inspection Types Configuration

- Overview of inspection types
- Goods receipt inspection (01)
- In-process inspection (03)
- Final inspection (04)
- Delivery inspection

Module 7: Inspection Lot Processing

- Creation of inspection lots
- Inspection lot lifecycle
- Results recording
- Usage decision process

Module 8: Results Recording and Defect Management

- Recording inspection results
- Defect recording and classification
- Quality scores and valuations
- Integration with corrective actions

Module 9: Quality Notifications

- Notification types and configuration
- Creating and managing notifications
- Tasks, activities, and follow-ups

- Root cause analysis

Module 10: Quality Control in Procurement

- Vendor evaluation
- Incoming inspection process
- Quality info records
- Integration with purchasing

Module 11: Quality Control in Production

- In-process inspections
- Shop floor integration
- Production order linkage
- Quality during manufacturing

Module 12: Quality Control in Sales and Distribution

- Outbound delivery inspection
- Customer returns and complaints
- Quality integration with SD
- Customer satisfaction tracking

Module 13: Reporting and Analytics

- Quality reports in S/4HANA
- KPIs and dashboards
- SAP Fiori analytical apps
- Audit and compliance reporting

Module 14: Integration and Automation

- QM integration with other SAP modules
- Automation of inspection processes
- Digital quality management

- Workflow configuration

Module 15: Best Practices and Implementation Strategies

- Industry use cases
- Implementation lifecycle
- Optimization techniques
- Common pitfalls and solutions

Module 16: Final Project / Case Study

- End-to-end quality management scenario
- Configuration and execution
- Real-world case study
- Assessment and feedback