



# **CMMS Data Integrity and Asset Information Governance Training Course**

29 November – 3 December 2026  
Chicago



## CMMS Data Integrity and Asset Information Governance Training Course

**Ref:** 775\_158969 **Date:** 29 November – 3 December 2026 **Location:** Chicago **Fees:** 12000 Euro

### Overview

CMMS Data Integrity and Asset Information Governance Training Course is a five-day intermediate course for maintenance planners, reliability engineers, asset managers, CMMS administrators, data stewards, and operations analysts who leave with a CMMS Data Integrity Improvement Plan. Participants connect asset hierarchy, master-data standards, ownership, validation, cleansing, migration reconciliation, and quality measures into a controlled maintenance-information workflow. Agile Leaders Training Center develops practical CMMS data integrity and asset information governance capability.

### Who Should Attend

- Maintenance planning functions responsible for usable asset and work-order records
- Reliability engineering functions responsible for equipment, failure, and maintenance taxonomies
- Asset management functions responsible for asset structures and information ownership
- CMMS administration functions responsible for configuration, validation, and data controls
- Engineering data stewardship functions responsible for standards, cleansing, and migration acceptance
- Operations analysis functions responsible for maintenance reporting and data-quality measures

The course assumes participants can navigate maintenance records and interpret asset and work-order fields, and leaves out predictive modeling, database programming, software configuration, and maintenance-strategy design.

### Departments and Industries

The course supports departments and industries that rely on controlled maintenance and asset information.

- Manufacturing maintenance and reliability
- Energy asset information management
- Transport fleet engineering
- Healthcare facilities maintenance
- Property and utility operations

### Learning Objectives

By the end of this course, participants will be able to:



- Analyze CMMS data-integrity risks and ownership gaps
- Build asset hierarchy and master-data standards
- Apply validation, duplicate, and completeness controls
- Use cleansing and migration reconciliation methods
- Evaluate quality measures and audit evidence
- Build a CMMS Data Integrity Improvement Plan

## **Course Agenda**

### **Day 1: Diagnose CMMS Data Integrity**

- CMMS Data Lifecycle and Control Map
- Asset Information Stakeholder Matrix
- Data Integrity Risk Assessment Method
- Critical Data Element Register
- Data Ownership and Stewardship RACI

### **Day 2: Structure Asset Master Data**

- Functional Location and Asset Hierarchy Model
- ISO 14224 Equipment Taxonomy Reference
- Asset Naming and Coding Standard
- Equipment Attribute and Mandatory Field Catalogue
- Spare-Part Master Data Relationship Map

### **Day 3: Standardize Maintenance Transactions**

- Failure Mode and Cause Taxonomy
- Work-Order Type and Status Dictionary
- Maintenance Action and Resource Coding Scheme
- Downtime and Consequence Recording Rules
- Transactional Data Validation Checklist

### **Day 4: Cleanse, Migrate, and Measure Data**

- Duplicate and Missing Record Detection Matrix
- CMMS Data Cleansing Decision Log
- Legacy Data Mapping and Transformation Sheet
- Migration Reconciliation and Acceptance Protocol
- Data Quality Metric and Audit Dashboard



## **Day 5: Practice Data Integrity Improvement**

- Exercise: Assess Ownership and Data Risks
- Exercise: Validate an Asset Hierarchy
- Exercise: Resolve Master and Transactional Defects
- Exercise: Reconcile a Legacy Data Migration
- Capstone: CMMS Data Integrity Improvement Plan

## **Practical Exercises**

The course uses suggested activities based on manufacturing, energy, transport, healthcare facilities, and utility operations.

- Suggested activity: identify critical data elements, owners, users, control points, and integrity risks.
- Suggested activity: test an asset hierarchy, coding standard, attributes, and spare-part relationships.
- Suggested activity: classify duplicate, incomplete, inconsistent, and invalid maintenance records and choose corrective actions.
- Suggested activity: reconcile migrated records and assemble governance actions, measures, and review cycles into an improvement plan.

## **FAQs**

### **Who suits CMMS data integrity and asset information governance training, and what does it assume?**

Maintenance, reliability, asset management, CMMS administration, data stewardship, and operations analysis functions suit the training; it assumes familiarity with asset and work-order records.

### **How does CMMS data integrity differ from predictive maintenance analytics training?**

CMMS data integrity focuses on reliable structures, standards, ownership, validation, cleansing, migration, and audit evidence, while predictive maintenance analytics training focuses on models and signals used to forecast asset condition.

### **Why does asset hierarchy matter for CMMS data integrity?**

Asset hierarchy connects locations, equipment, subassemblies, work history, spare parts, and responsibility, allowing records and measures to roll up through a consistent maintenance structure.

### **How should teams control duplicate and missing CMMS records?**

Teams should define critical fields, matching rules, ownership, exception thresholds, review queues, correction evidence, approval steps, and recurring checks for duplicate, missing, inconsistent, and obsolete records.



## **How is CMMS data migration reconciled?**

CMMS data migration is reconciled by comparing source and target counts, mandatory fields, mappings, transformations, relationships, rejected records, samples, totals, and approved exceptions before acceptance.

## **Conclusion**

Participants take back a CMMS Data Integrity Improvement Plan linking ownership, hierarchy, standards, controls, cleansing, migration reconciliation, measures, and audit evidence. It changes disconnected corrections into a governed maintenance-information cycle. The plan supports coordinated decisions across maintenance, reliability, asset management, CMMS administration, data stewardship, and operations analysis.