



**TRAINING ON
CONFIGURATION MANAGEMENT
(CM)**



CONFIGURATION MANAGEMENT (CM)

Why Choose QVISE for your CM Training?

- ✓ QVISE delivers high-quality, cost-effective, and up-to-date Configuration Management (CM) training and certification programs.
- ✓ Our goal is to equip CM professionals with a comprehensive understanding of the CM landscape, from foundational principles to advanced implementation techniques.
- ✓ Unlike single-perspective approaches, QVISE training offers a holistic view of CM, enabling learners to grasp diverse implementation options that align with industry best practices.
- ✓ By combining in-depth knowledge with practical experience, our expert instructors empower you to excel in managing complex product life cycles and driving project success.

Our View on Industry Standards

- ❑ QVISE firmly believes adherence to industry standards is crucial for effective Configuration Management (CM) implementation.
- ❑ Standards such as **SAE EIA 649, ISO 10007, ISO 9001, CMMI**, and **ITIL** provide a robust framework for establishing and maintaining configuration control.
- ❑ These carefully designed guidelines, developed by industry experts, offer invaluable insights and best practices for CM processes.
- ❑ By incorporating a thorough understanding of these standards into our training programs, QVISE equips professionals with knowledge and tools necessary to implement world-class CM systems.



CONFIGURATION MANAGEMENT (CM)

TESTIMONIALS

“The course material was comprehensive and professional designed, incorporating the latest advancements and terminologies in CM. The insights gained will undoubtedly be utilized for future projects.”

– R&D Team Member (Module – 3)

“The course was tailored specifically to our organization’s needs and offered an exceptional learning experience. It will definitely improve the skills & capability of individuals.”

– Subject Matter Expert (Module – 4)

“The training experience was highly satisfactory, particularly the practical demonstrations of the FALCON CM software and the group activities, which greatly improved our understanding.”

– Production Facility In charge (Module – 4)



CONFIGURATION MANAGEMENT (CM)

CM Course Program Details

- ❑ QVISE offers a comprehensive CM certification program structured into **four** distinct modules designed to provide a solid foundation in Configuration Management based on a **five (5)** days course as a single package.
- ❑ Our curriculum is carefully designed to align with industry standards and best practices, ensuring that participants gain a deep understanding of CM principles, processes, and implementation techniques.
- ❑ Upon successful completion of the program, learners will demonstrate a mastery of CM requirements, a comprehensive grasp of CM elements and functions, and proficiency in applying modern CM methodologies to achieve successful project outcomes.

Course Module Distribution

- ✓ **Module 1:** CM Foundation
- ✓ **Module 2:** CM Identification
- ✓ **Module 3:** Configuration Change-Management
- ✓ **Module 4:** CM Implementation

Course Pre-Requisites

No formal prerequisites are required to enroll in this certification program.



MODULE 1 CM FOUNDATIONS

DETAILS

This foundational course offers a comprehensive exploration of Configuration Management (CM) principles and practices. Participants will gain a thorough understanding of CM planning, identification, auditing, change control, and status accounting processes. The course emphasizes the critical role of CM within an organization and serves as the first module in our four-part certification program.

OBJECTIVES

- ✓ Establish a fundamental comprehension of CM principles and contemporary methodologies.
- ✓ To outline roles and responsibilities within the CM framework.
- ✓ To analyze the evolution of CM and its impact on product life cycle management.
- ✓ To explore strategies for minimizing corrective actions and ensuring consistent product conformance.



MODULE 1 CM FOUNDATIONS

OUTLINE OF MODULE 1

- Introduction to Configuration Management
- Target Audience for Configuration Management
- Evolution and Requirements of Configuration Management
- Interrelationship between Configuration Management and Quality
- Core Components of Configuration Management
- Configuration Management Terminology
- Life Cycle Concepts
- Document, Data, and Management
- Configuration Management and Information
- Cost Implications of Configuration Management
- Common Misconceptions about Configuration Management
- Challenges and Risks of Not Implementing Configuration Management



MODULE 2 CM IDENTIFICATION

DETAILS

This course delves into the practical application of configuration identification principles. Participants will acquire in-depth knowledge of baselining, structuring, naming, and numbering methodologies. This module, the second in our four-part certification series, provides essential skills for effectively managing configuration items throughout the product life cycle.

OBJECTIVES

- ✓ To develop proficiency in creating and maintaining structured configuration information and baselines.
- ✓ To establish a clear definition of the product or system to be built, operated, and maintained throughout its life cycle.



MODULE 2 CM IDENTIFICATION

OUTLINE OF MODULE 2

- Overview of Configuration Identification
- Identification Schemes: Numbering and Naming Conventions
- Product Structure: Part One
- Product Structure: Part Two
- Establishing Configuration Baselines
- Integration of Identification and Change Management
- Configuration Management Database
- Approaches to Configuration Identification
- Interface Management
- Re-identification Processes
- Traceability and Configuration Identification
- Configuration Status Accounting and Identification



MODULE 3 CONFIGURATION CHANGE MANAGEMENT

DETAILS

This module provides an in-depth examination of industry best practices for managing configuration changes throughout the product life cycle. Participants will gain practical experience in implementing effective change management strategies. This module constitutes the third component of our four-part certification program.

OBJECTIVES

- ✓ To develop a comprehensive understanding of change management principles, workflows, responsibilities, and decision-making processes.
- ✓ To master the implementation of efficient and effective change management procedures from initiation to completion.
- ✓ To acquire proficiency in handling non-conformances and resolving change-related bottlenecks.



MODULE 3 CONFIGURATION CHANGE MANAGEMENT

OUTLINE OF MODULE 3

- Configuration Change Management Overview
- Change Proposal and Analysis
- Change Evaluation and Decision Making
- Change Control Boards and Authority
- Change Implementation and Verification
- Change Implementation and Effectivity
- Change Prioritization and Classification
- Challenges and Issues in Configuration Change Management
- Optimizing the Change Process
- Deviations, Waivers, and Variances
- Configuration Status Accounting and Change
- Change Process Metrics and Performance Evaluation



MODULE 4 CM IMPLEMENTATION

DETAILS

This module focuses on the practical application of CM principles and processes within an organizational context. Participants will learn how to effectively implement and integrate CM strategies into existing workflows. This module concludes our four-part certification program, providing learners with the skills necessary to drive CM maturity.

OBJECTIVES

- ✓ To acquire proficiency in implementing CM process improvements.
- ✓ To develop CM plans and conduct comprehensive CM assessments.
- ✓ To apply CM principles to diverse organizational environments and product life cycles.
- ✓ To evaluate and select appropriate CM automation tools.



MODULE 4 CM IMPLEMENTATION

OUTLINE OF MODULE 4

- Configuration Management Planning
- Configuration Management Verification and Audit
- Configuration Management Roles and Responsibilities
- Customer and Supplier Integration in Configuration Management
- Configuration Management of Commercial Off-the-Shelf (COTS) Items
- Lean Principles and Configuration Management
- Configuration Management Process Assessment
- Configuration Management Tool Capabilities
- Selecting and Implementing Configuration Management Tools
- Configuration Management Process Improvement
- Achieving Configuration Management Success
- Course Review and Conclusion