



*Training Course:
Configuration Management*

*30 August - 3 September 2027
Kigali (Rwanda)*

Training Course: Configuration Management

Training Course code: MA9317 From: 30 August - 3 September 2027 Venue: Kigali (Rwanda) - Training Course Fees: 6350 € Euro

Introduction

Configuration Management CM is a critical discipline for maintaining consistency, control, and traceability of systems, products, and services throughout their lifecycle. In complex environments, effective CM ensures that all components are properly identified, documented, and controlled, minimizing errors, reducing risks, and supporting operational efficiency.

This program, developed by [Global Horizon Training Center](#), provides participants with a comprehensive understanding of configuration management principles, processes, and tools. It focuses on establishing configuration baselines, managing changes, and ensuring accurate documentation across projects and operations.

Participants will gain practical knowledge on implementing CM systems, supporting quality assurance, and aligning configuration practices with organizational and project requirements.

Course Objectives

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

- Understand the principles and importance of Configuration Management
- Identify configuration items and establish baselines
- Implement configuration control and change management processes
- Maintain accurate configuration records and documentation
- Apply configuration status accounting and reporting
- Conduct configuration audits and verification
- Integrate CM with project, quality, and risk management
- Use CM tools and systems effectively

Target Audience

This program is designed for:

- Project Managers and Engineers
- Configuration Managers and Specialists
- Quality Assurance and Control Professionals
- IT and Systems Administrators
- Operations and Maintenance Professionals
- Aerospace, defense, construction, and engineering professionals
- Anyone involved in managing system configurations and changes

Outline

Day 1: Foundations of Configuration Management

- Introduction to Configuration Management Concepts
- Objectives and Benefits of CM
- Configuration Management Standards and Frameworks
- Configuration Items CIs Identification
- Configuration Management Lifecycle
- Roles and Responsibilities in CM

Day 2: Configuration Identification and Baselines

- Identifying Configuration Items and Components
- Establishing Configuration Baselines
- Naming Conventions and Version Control
- Documentation and Configuration Records
- Product Structure and Configuration Breakdown
- Managing Configuration Libraries

Day 3: Configuration Control and Change Management

- Configuration Control Processes
- Change Request and Approval Workflow
- Change Impact Analysis
- Version and Release Management
- Managing Deviations and Variances
- Integrating CM with Project Management

Day 4: Configuration Status Accounting and Audits

- Configuration Status Accounting CSA
- Tracking Changes and Reporting Status
- Configuration Audits Functional and Physical
- Verification and Validation Processes
- Ensuring Compliance and Accuracy
- Documentation Review and Control

Day 5: Tools, Integration, and Best Practices

- Configuration Management Tools Software Solutions
- Integration with Quality and Risk Management Systems
- CM in Different Industries IT, Engineering, Construction
- Digital Transformation in Configuration Management
- Best Practices and Lessons Learned
- Case Studies and Practical Applications

Registration form on the Training Course: Configuration Management

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