

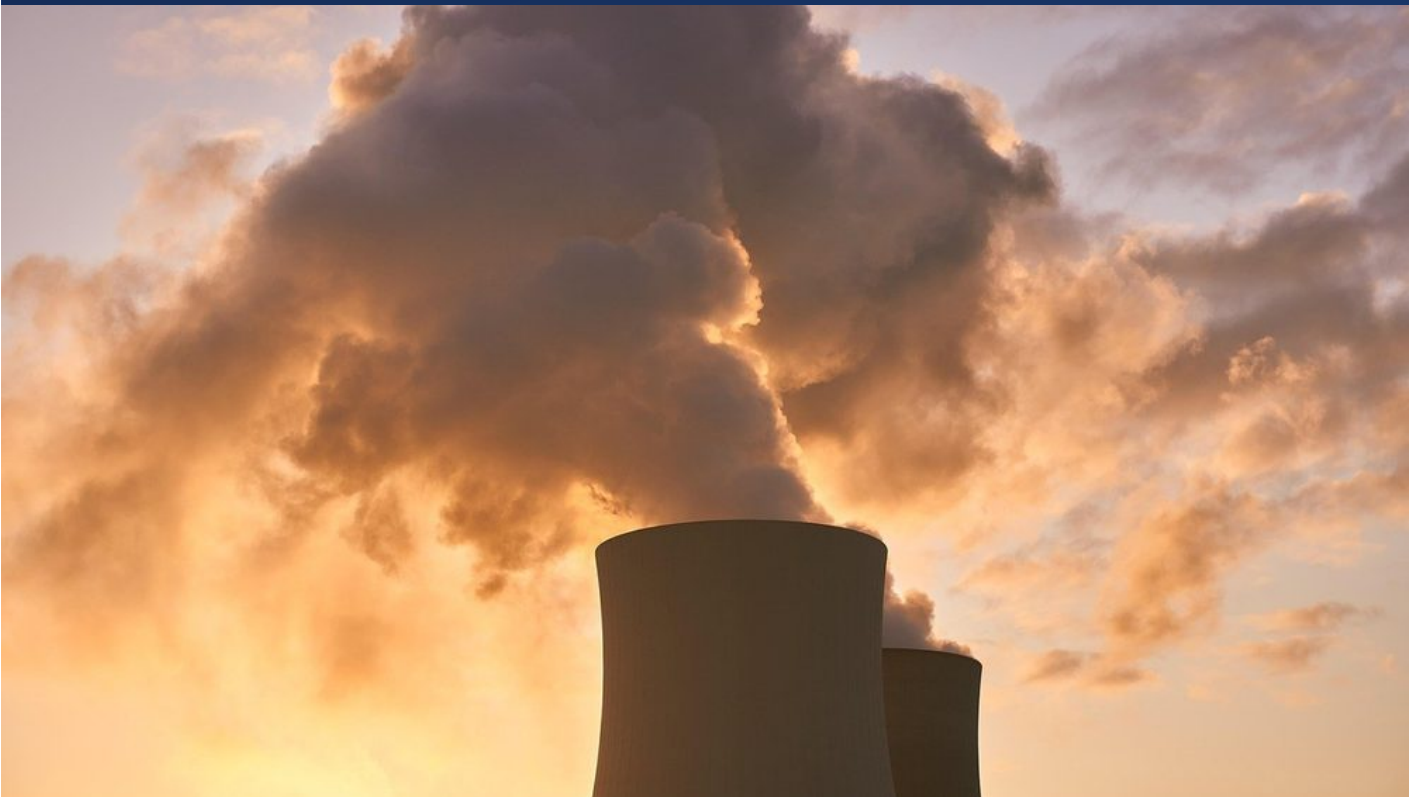
LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 9001NUC — Quality Management Applied to Nuclear with IAEA

ISO Certification Programme



LAPT — London Academy of Professional Training

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Reference ENG-NUC-9001NUC • ISO Energy

UKPRN 10067351 • Registered in England and Wales, company 4984798

AT A GLANCE

REFERENCE	ENG-NUC-9001NUC
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Continuous Improvement Strategies

5 chapters · 6 classes 45 marks

• 1 Introduction to Continuous Improvement in Nuclear Quality Management — 6 classes

> 1.1 Define Continuous Improvement Concepts in Nuclear Quality Management

> 1.2 Identify Key Principles of ISO 9001NUC in Context

> 1.3 Explore Tools and Techniques for Continuous Improvement Implementation

> 1.4 Analyze Case Studies of Successful Continuous Improvement in Nuclear Sector

> 1.5 Evaluate Challenges and Barriers to Continuous Improvement in Nuclear Quality Management

> 1.6 Develop an Action Plan for Applying Continuous Improvement Strategies

• 2 Tools and Techniques for Continuous Improvement in Nuclear Settings

• 3 Establishing a Culture of Continuous Improvement in Nuclear Organizations

• 4 Measuring and Analyzing Continuous Improvement Outcomes

• 5 Sustaining Continuous Improvement in Nuclear Operations

• 1 Fundamentals of ISO 9001: Understanding Quality Management Systems — 6 classes

- › 1.1 Define the Key Principles of ISO 9001
- › 1.2 Explore the Benefits of Implementing a Quality Management System
- › 1.3 Identify the Structure of ISO 9001 Standards
- › 1.4 Analyze the Role of Leadership in Quality Management
- › 1.5 Assess the Importance of Customer Focus in Quality Systems
- › 1.6 Implement Effective Continuous Improvement Strategies

• 2 ISO 9001 Principles: Customer Focus and Leadership Commitment — 6 classes

- › 2.1 Understand Customer Focus in ISO 9001
- › 2.2 Identify Leadership Roles in Quality Management
- › 2.3 Explore the Importance of Customer Feedback
- › 2.4 Analyze Leadership Commitment to Quality Goals
- › 2.5 Develop Effective Communication Strategies for Customer Engagement
- › 2.6 Implement Customer-Centric Practices in Quality Management

• 3 Risk-Based Thinking in Quality Management: Application in Nuclear Energy — 6 classes

- › 3.1 Define Risk-Based Thinking in Quality Management
- › 3.2 Identify Key Risks in Nuclear Energy Operations
- › 3.3 Analyze the Impact of Risks on Quality Management Systems
- › 3.4 Develop Strategies for Risk Mitigation in Nuclear Projects
- › 3.5 Implement Risk Assessment Processes in Quality Management
- › 3.6 Evaluate the Effectiveness of Risk Management Approaches

• 4 Performance Evaluation: Monitoring and Measurement in Nuclear Quality Management — 6 classes

- › 4.1 Understand Key Concepts of Performance Evaluation in Nuclear Quality Management
- › 4.2 Identify Relevant Performance Indicators for Monitoring Nuclear Operations
- › 4.3 Develop Effective Measurement Techniques for Quality Management in Nuclear Settings
- › 4.4 Analyze Data Collection Methods for Performance Evaluation in Nuclear Projects
- › 4.5 Implement Continuous Improvement Strategies Based on Performance Evaluation Results
- › 4.6 Evaluate Case Studies of Performance Measurement Success in Nuclear Quality Management

• 5 Continuous Improvement and Change Management in ISO 9001 — 6 classes

- › 5.1 Analyze the Importance of Continuous Improvement in ISO 9001
- › 5.2 Identify Key Principles of Change Management in Quality Systems
- › 5.3 Explore Tools and Techniques for Continuous Improvement
- › 5.4 Assess the Role of Leadership in Promoting Change
- › 5.5 Develop Strategies for Implementing Improvement Initiatives
- › 5.6 Evaluate the Impact of Continuous Improvement on Organizational Quality

• 1 Fundamentals of Quality Management Systems in Nuclear Energy — 6 classes

- › 1.1 Define Key Concepts in Quality Management Systems
- › 1.2 Explore the Importance of Quality Management in Nuclear Energy
- › 1.3 Identify Components of a Quality Management System
- › 1.4 Analyze the Role of Leadership in Quality Management
- › 1.5 Evaluate ISO 9001NUC Standards in Nuclear Operations
- › 1.6 Implement Continuous Improvement Practices in Quality Management

• 2 ISO 9001 Standard Requirements and Implementation — 6 classes

- › 2.1 Understand the Principles of ISO 9001 Quality Management Systems
- › 2.2 Identify the Key Requirements of ISO 9001 Standard
- › 2.3 Analyze the Context of the Organization in ISO 9001
- › 2.4 Establish Leadership and Commitment in Quality Management
- › 2.5 Develop a Quality Policy and Objectives Aligned with ISO 9001
- › 2.6 Implement a Continuous Improvement Process in a Quality Management System

• 3 Risk Management and its Role in Nuclear Quality Assurance — 6 classes

- › 3.1 Define Risk Management Concepts in Nuclear Quality Assurance
- › 3.2 Identify Key Risks in Nuclear Operations and Their Impacts
- › 3.3 Analyze Risk Assessment Techniques Used in Quality Management
- › 3.4 Evaluate the Role of Stakeholders in Risk Management Processes
- › 3.5 Develop Effective Risk Mitigation Strategies for Nuclear Projects
- › 3.6 Implement Continuous Improvement Practices in Risk Management

• 4 Continuous Improvement Strategies in Nuclear Quality Management — 6 classes

- › 4.1 Identify Key Components of Continuous Improvement in Nuclear Quality Management
- › 4.2 Analyze the Role of Leadership in Promoting Continuous Improvement
- › 4.3 Implement Effective Data Collection Methods for Quality Improvement
- › 4.4 Evaluate Tools and Techniques for Driving Continuous Improvement
- › 4.5 Develop Action Plans for Integration of Continuous Improvement Strategies
- › 4.6 Measure and Review Outcomes of Continuous Improvement Initiatives

• 5 Leadership and Culture in Quality Management Systems — 6 classes

- › 5.1 Define Leadership Roles in Quality Management Systems
- › 5.2 Explore the Impact of Organizational Culture on Quality
- › 5.3 Assess Leadership Styles for Effective Quality Management
- › 5.4 Identify Key Leadership Competencies for Quality Success
- › 5.5 Develop Strategies to Foster a Quality-Driven Culture
- › 5.6 Implement Leadership Practices to Enhance Quality Outcomes

• 1 Understanding Regulatory Frameworks in Nuclear Energy — 6 classes

- › 1.1 Analyze the Importance of Regulatory Frameworks in Nuclear Energy
- › 1.2 Identify Key Regulatory Bodies and Their Functions
- › 1.3 Explore International Regulations and Standards in Nuclear Safety
- › 1.4 Compare National Regulatory Approaches for Nuclear Energy
- › 1.5 Evaluate the Role of Compliance in Nuclear Safety Management
- › 1.6 Apply Regulatory Knowledge to Real-World Nuclear Scenarios

• 2 Principles of Safety Culture in Nuclear Facilities — 6 classes

- › 2.1 Define Safety Culture and Its Importance in Nuclear Facilities
- › 2.2 Identify Key Elements of a Strong Safety Culture
- › 2.3 Assess the Current Safety Culture in Your Organization
- › 2.4 Explore Best Practices for Promoting Safety Culture
- › 2.5 Develop Strategies for Enhancing Safety Culture Among Staff
- › 2.6 Evaluate the Impact of Safety Culture on Regulatory Compliance

• 3 Risk Assessment and Management in Nuclear Operations — 6 classes

- › 3.1 Identify Key Risks in Nuclear Operations
- › 3.2 Analyze Risk Factors Impacting Safety Standards
- › 3.3 Evaluate Existing Risk Mitigation Strategies
- › 3.4 Develop a Comprehensive Risk Assessment Framework
- › 3.5 Implement Risk Management Processes in Nuclear Settings
- › 3.6 Review and Revise Risk Management Practices for Continuous Improvement

• 4 Compliance Audit Processes in Nuclear Industry — 6 classes

- › 4.1 Understand Regulatory Frameworks Governing Nuclear Compliance
- › 4.2 Identify Key Steps in the Compliance Audit Process
- › 4.3 Examine the Role of Stakeholders in Nuclear Compliance Audits
- › 4.4 Analyze Common Non-Conformities in Nuclear Compliance Audits
- › 4.5 Develop Effective Audit Checklist for Nuclear Facilities
- › 4.6 Implement Findings from Compliance Audits to Enhance Safety

• 5 Continuous Improvement Strategies for Regulatory Compliance — 6 classes

- › 5.1 Identify Key Continuous Improvement Concepts for Regulatory Compliance
- › 5.2 Analyze Regulatory Compliance Gaps in Existing Processes
- › 5.3 Develop Action Plans Using Continuous Improvement Methodologies
- › 5.4 Implement Lean Principles to Enhance Compliance Efficiency
- › 5.5 Evaluate the Effectiveness of Continuous Improvement Initiatives
- › 5.6 Foster a Culture of Continuous Improvement in Compliance Teams

• 1 Foundations of Risk Management in Nuclear Operations — 6 classes

- › 1.1 Identify Key Concepts of Risk Management in Nuclear Operations
- › 1.2 Analyze Risk Factors Specific to Nuclear Facilities
- › 1.3 Evaluate the Importance of a Risk Management Framework
- › 1.4 Distinguish Between Qualitative and Quantitative Risk Assessment Methods
- › 1.5 Develop Effective Communication Strategies for Risk Management
- › 1.6 Implement Risk Mitigation Strategies in Nuclear Operations

• 2 Identification and Assessment of Risks in Nuclear Facilities — 6 classes

- › 2.1 Define Key Risk Concepts in Nuclear Operations
- › 2.2 Identify Common Risks in Nuclear Facilities
- › 2.3 Analyze Techniques for Risk Assessment
- › 2.4 Evaluate Risk Impact on Nuclear Safety
- › 2.5 Implement Risk Assessment Tools and Methods
- › 2.6 Develop a Risk Management Plan for Nuclear Operations

• 3 Risk Control Strategies in Nuclear Operations — 6 classes

- › 3.1 Identify Key Risks in Nuclear Operations
- › 3.2 Analyze Risk Assessment Techniques
- › 3.3 Develop Risk Mitigation Strategies
- › 3.4 Implement Risk Control Measures
- › 3.5 Monitor and Review Risk Management Effectiveness
- › 3.6 Communicate Risk Control Plans to Stakeholders

• 4 Regulatory Framework and Compliance in Risk Management — 6 classes

- › 4.1 Identify Key Regulatory Bodies in Nuclear Risk Management
- › 4.2 Analyze the Role of Compliance in Nuclear Operations
- › 4.3 Explore International Standards Impacting Nuclear Safety
- › 4.4 Evaluate the Compliance Requirements for Risk Assessment
- › 4.5 Develop a Framework for Effective Risk Management Compliance
- › 4.6 Implement Best Practices for Regulatory Compliance in Nuclear Facilities

• 5 Continuous Improvement and Risk Management in Nuclear Operations — 6 classes

- › 5.1 Define Continuous Improvement Frameworks in Nuclear Context
- › 5.2 Identify Key Risks in Nuclear Operations
- › 5.3 Analyze Risk Assessment Techniques for Continuous Improvement
- › 5.4 Implement Quality Management Principles to Mitigate Risks
- › 5.5 Evaluate Continuous Improvement Strategies in Real Case Studies
- › 5.6 Develop a Personal Action Plan for Risk Management Enhancement

