

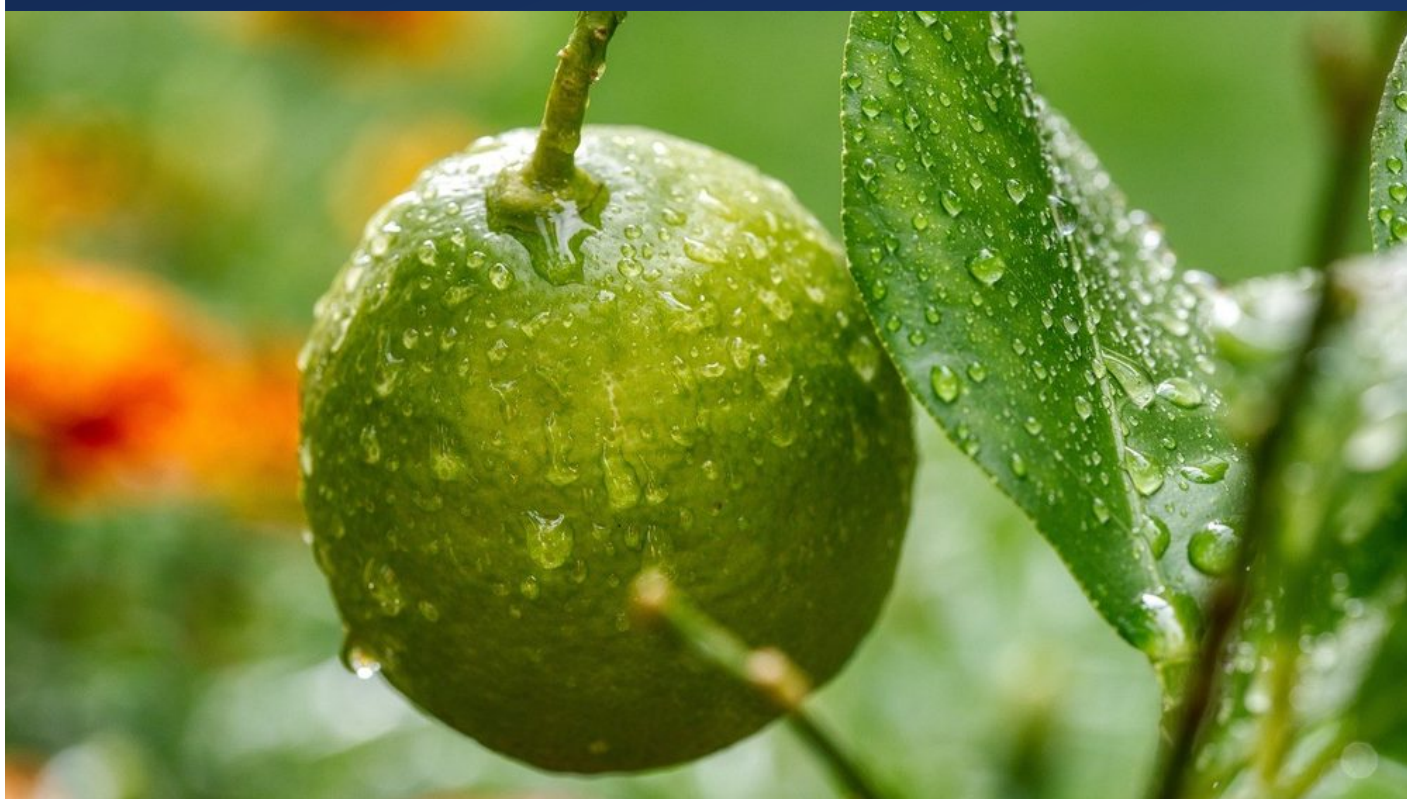
LAPT

LONDON ACADEMY OF PROFESSIONAL TRAINING

CERTIFICATE

ISO 14467 — Guidance on Application of ISO 9001 to Nuclear Energy

ISO Certification Programme



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Reference ENG-NUC-14467 • ISO Energy

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AT A GLANCE

REFERENCE	ENG-NUC-14467
AWARD	Certificate
ASSESSMENT	430 marks — 258 to pass (60%)
PREREQUISITES	None
VALIDITY	Lifetime
AWARDING BODY	LAPT — London Academy of Professional Training

CURRICULUM

1

Implementation Strategies for ISO 9001

5 chapters · 30 classes 85 marks

• 1 Understanding ISO 9001 Fundamentals in Nuclear Energy — 6 classes

› 1.1 Define Key Concepts of ISO 9001 in Nuclear Energy

› 1.2 Identify the Benefits of ISO 9001 for Nuclear Organizations

› 1.3 Explore the Structure and Clauses of ISO 9001 Standard

› 1.4 Assess Leadership Roles in Implementing ISO 9001

› 1.5 Develop Strategies for Effective Communication of ISO 9001 Principles

› 1.6 Plan Action Steps for ISO 9001 Integration in Nuclear Projects

• 2 Leadership's Role in Quality Management Systems for Nuclear Energy — 6 classes

› 2.1 Define Leadership Roles in Quality Management Systems

› 2.2 Analyze the Impact of Leadership on ISO 9001 Implementation

› 2.3 Establish Effective Communication Strategies for Quality Leadership

› 2.4 Engage Stakeholders in Quality Assurance Practices

› 2.5 Develop a Continuous Improvement Culture in Nuclear Energy

› 2.6 Evaluate Leadership Strategies for Sustaining Quality Management Systems

• 3 Risk Management and Process Approach in Nuclear Quality Assurance — 6 classes

› 3.1 Identify Key Risks in Nuclear Quality Assurance

› 3.2 Evaluate the Impact of Risks on Processes

› 3.3 Develop Risk Mitigation Strategies for ISO 9001

› 3.4 Implement Process Approaches to Enhance Quality Control

› 3.5 Monitor and Review Risk Management Effectiveness

› 3.6 Integrate Risk Management into Continuous Improvement Efforts

• 4 Internal Audits and Continuous Improvement Strategies — 6 classes

› 4.1 Understand the Purpose of Internal Audits in ISO 9001

› 4.2 Identify Key Components of an Effective Audit Process

› 4.3 Develop Auditing Skills for Assessing Compliance and Performance

› 4.4 Analyze Audit Findings to Identify Areas for Improvement

› 4.5 Formulate Continuous Improvement Strategies from Audit Results

› 4.6 Implement an Ongoing Review Process for Sustainable Improvement

• 5 Integrating Compliance and ISO 9001 for Operational Excellence — 6 classes

› 5.1 Explore the Principles of ISO 9001 for Nuclear Energy

› 5.2 Assess Current Compliance Standards in Nuclear Operations

› 5.3 Identify Key Processes for ISO 9001 Integration

› 5.4 Develop a Framework for Continuous Improvement in Compliance

› 5.5 Implement Strategies for Leadership Engagement in Quality Management

› 5.6 Evaluate Operational Excellence Metrics Post-Implementation

• 1 Foundations of ISO 9001: Principles and Structure — 6 classes

- › 1.1 Define Key Concepts of ISO 9001 Principles
- › 1.2 Explore the Structure of the ISO 9001 Standard
- › 1.3 Identify the Seven Quality Management Principles
- › 1.4 Analyze the Benefits of Implementing ISO 9001
- › 1.5 Examine the Role of Leadership in ISO 9001
- › 1.6 Apply ISO 9001 Principles to Nuclear Energy Operations

• 2 The Role of Leadership in Quality Management — 6 classes

- › 2.1 Define Leadership's Role in Quality Management Systems
- › 2.2 Identify Key Leadership Qualities for ISO 9001 Success
- › 2.3 Explore the Impact of Leadership on Organizational Culture
- › 2.4 Analyze Leadership Styles and Their Effects on Quality Outcomes
- › 2.5 Develop a Leadership Action Plan for Fostering Quality
- › 2.6 Evaluate Case Studies of Successful Leadership in Quality Management

• 3 Risk-Based Thinking in ISO 9001 Implementation — 6 classes

- › 3.1 Define Risk-Based Thinking in ISO 9001
- › 3.2 Identify Key Risks in Nuclear Energy Operations
- › 3.3 Analyze the Impact of Risks on Quality Management
- › 3.4 Develop Risk Assessment Techniques for ISO 9001
- › 3.5 Create Action Plans to Mitigate Identified Risks
- › 3.6 Integrate Risk-Based Thinking into Continuous Improvement

• 4 Quality Objectives and Performance Evaluation — 6 classes

- › 4.1 Define Quality Objectives in ISO 9001 Context
- › 4.2 Identify Key Performance Indicators for Quality Objectives
- › 4.3 Establish SMART Criteria for Quality Objectives
- › 4.4 Analyze the Role of Leadership in Setting Quality Objectives
- › 4.5 Evaluate Performance Against Established Quality Objectives
- › 4.6 Implement Continuous Improvement Based on Performance Evaluation

• 5 Auditing and Compliance in Nuclear Energy Quality Management — 6 classes

- › 5.1 Understand the Importance of Auditing in Nuclear Quality Management
- › 5.2 Identify Key Principles of ISO 9001 Compliance in Nuclear Energy
- › 5.3 Explore Auditing Techniques Specific to the Nuclear Industry
- › 5.4 Analyze Typical Non-Conformities in Nuclear Energy Audits
- › 5.5 Develop an Effective Audit Plan for Nuclear Energy Projects
- › 5.6 Implement Continuous Improvement Strategies Post-Audit in Nuclear Quality Management

• 1 Understanding Leadership Roles in Nuclear Energy — 6 classes

- › 1.1 Define Key Leadership Concepts in Nuclear Energy
- › 1.2 Identify Roles and Responsibilities of Leaders in Nuclear Settings
- › 1.3 Explore Leadership Styles and Their Impact on Nuclear Teams
- › 1.4 Assess the Importance of Communication in Nuclear Leadership
- › 1.5 Develop Strategies for Effective Decision-Making in Nuclear Leadership
- › 1.6 Implement Team Development Practices to Enhance Nuclear Leadership

• 2 Developing Effective Communication Skills for Nuclear Leaders — 6 classes

- › 2.1 Analyze the Importance of Communication in Nuclear Leadership
- › 2.2 Identify Key Communication Barriers in Nuclear Energy Teams
- › 2.3 Explore Active Listening Techniques for Enhanced Leadership
- › 2.4 Apply Persuasive Communication Strategies in Nuclear Settings
- › 2.5 Demonstrate Effective Feedback Mechanisms for Team Development
- › 2.6 Create a Personal Action Plan for Improving Leadership Communication

• 3 Fostering a Culture of Safety and Compliance — 6 classes

- › 3.1 Define Safety Culture in the Nuclear Industry
- › 3.2 Identify Key Compliance Standards for Nuclear Leadership
- › 3.3 Analyze the Role of Leadership in Promoting Safety
- › 3.4 Develop Strategies to Enhance Team Safety Awareness
- › 3.5 Implement Effective Communication Techniques for Safety Compliance
- › 3.6 Create an Action Plan for Continuous Safety Improvement

• 4 Team Dynamics and Conflict Resolution in Nuclear Settings — 6 classes

- › 4.1 Identify Key Elements of Team Dynamics in Nuclear Settings
- › 4.2 Analyze Roles and Responsibilities within Nuclear Teams
- › 4.3 Explore Common Sources of Conflict in High-Stakes Environments
- › 4.4 Develop Effective Communication Strategies to Mitigate Conflict
- › 4.5 Implement Conflict Resolution Techniques for Team Cohesion
- › 4.6 Evaluate Team Performance and Conflict Resolution Outcomes

• 5 Evaluating Leadership Effectiveness and Continuous Improvement — 6 classes

- › 5.1 Assess Leadership Impact through Effective Metrics
- › 5.2 Analyze Leadership Styles and Their Outcomes
- › 5.3 Implement Feedback Mechanisms for Continuous Improvement
- › 5.4 Facilitate Team Reflections on Leadership Effectiveness
- › 5.5 Develop Action Plans for Leadership Enhancement
- › 5.6 Evaluate Progress and Foster a Culture of Continuous Learning

• 1 Understanding ISO 9001 Principles in Nuclear Energy — 6 classes

- › 1.1 Define Key ISO 9001 Principles Relevant to Nuclear Energy
- › 1.2 Explain the Importance of Leadership in Quality Management Systems
- › 1.3 Identify Stakeholder Needs in Nuclear Energy Quality Management
- › 1.4 Assess Risks and Opportunities in Implementing ISO 9001
- › 1.5 Develop a Leadership Commitment Framework for ISO 9001
- › 1.6 Create an Action Plan for Integrating ISO 9001 in Nuclear Energy Operations

• 2 Leadership Roles in Quality Management Systems for Nuclear Facilities — 6 classes

- › 2.1 Define Leadership Roles in Nuclear Quality Management
- › 2.2 Analyze the Impact of Leadership on Quality Culture
- › 2.3 Identify Key Competencies for Quality Leaders in Nuclear Sector
- › 2.4 Evaluate Leadership Strategies for Effective Quality Management
- › 2.5 Implement Leadership Actions to Enhance Quality Outcomes
- › 2.6 Develop a Personal Leadership Development Plan for Quality Management

• 3 Risk Management Strategies in Nuclear Quality Systems — 6 classes

- › 3.1 Identify and Assess Risks in Nuclear Quality Systems
- › 3.2 Analyze Historical Data for Risk Mitigation
- › 3.3 Develop Risk Management Plans for Nuclear Projects
- › 3.4 Evaluate Effectiveness of Existing Risk Management Strategies
- › 3.5 Foster a Risk-Aware Culture in Nuclear Organizations
- › 3.6 Implement Continuous Improvement in Risk Management Practices

• 4 Integrating Continuous Improvement Practices in Nuclear Quality Management — 6 classes

- › 4.1 Identify Key Elements of Continuous Improvement in Nuclear Quality Management
- › 4.2 Analyze Current Quality Management Practices for Continuous Improvement Opportunities
- › 4.3 Develop a Framework for Implementing Continuous Improvement Strategies
- › 4.4 Apply Tools and Techniques for Effective Quality Improvement Initiatives
- › 4.5 Create a Plan for Monitoring and Measuring Continuous Improvement Outcomes
- › 4.6 Foster a Culture of Continuous Improvement within Nuclear Energy Organizations

• 5 Auditing and Compliance for Quality Management Systems in Nuclear Energy — 6 classes

- › 5.1 Understand Audit Principles in Nuclear Energy Quality Management
- › 5.2 Identify Key Compliance Requirements for ISO 9001 in Nuclear Settings
- › 5.3 Analyze Roles and Responsibilities in Auditing Processes
- › 5.4 Develop Effective Auditing Techniques for Nuclear Energy Quality Systems
- › 5.5 Evaluate Non-Conformities and Improvement Opportunities in Audits
- › 5.6 Implement Action Plans for Continuous Compliance and Quality Enhancement

• 1 Understanding Risk in Nuclear Operations — 6 classes

- › 1.1 Define Risk in Nuclear Operations
- › 1.2 Identify and Classify Risks in Nuclear Activities
- › 1.3 Analyze Consequences of Risks in Nuclear Operations
- › 1.4 Evaluate Risk Mitigation Strategies in Nuclear Contexts
- › 1.5 Develop a Risk Management Plan for Nuclear Projects
- › 1.6 Communicate Risk Management Findings to Stakeholders

• 2 ISO 9001 Framework in Nuclear Energy — 6 classes

- › 2.1 Understand the ISO 9001 Framework in Nuclear Energy
- › 2.2 Identify Key Principles of Risk Management in Nuclear Operations
- › 2.3 Analyze the Role of Leadership in ISO 9001 and Risk Management
- › 2.4 Evaluate Risk Assessment Techniques for Nuclear Safety
- › 2.5 Implement Continuous Improvement Strategies within ISO 9001
- › 2.6 Develop a Risk Management Plan for Nuclear Operations

• 3 Identifying and Assessing Risks in Nuclear Projects — 6 classes

- › 3.1 Define Key Concepts in Risk Management for Nuclear Operations
- › 3.2 Identify Common Risks Associated with Nuclear Projects
- › 3.3 Analyze the Impact of Identified Risks on Project Outcomes
- › 3.4 Evaluate Risk Assessment Techniques Relevant to Nuclear Energy
- › 3.5 Prioritize Risks Using Quantitative and Qualitative Methods
- › 3.6 Develop a Risk Management Plan for a Nuclear Project Scenario

• 4 Developing Risk Mitigation Strategies — 6 classes

- › 4.1 Identify Key Risks in Nuclear Operations
- › 4.2 Analyze Impact and Likelihood of Each Risk
- › 4.3 Develop Risk Prioritization Criteria
- › 4.4 Formulate Mitigation Strategies for High-Priority Risks
- › 4.5 Implement and Communicate Mitigation Plans
- › 4.6 Monitor and Review Effectiveness of Risk Mitigation Strategies

• 5 Monitoring and Continuous Improvement in Risk Management — 6 classes

- › 5.1 Evaluate Existing Monitoring Practices in Nuclear Risk Management
- › 5.2 Identify Key Performance Indicators for Continuous Improvement
- › 5.3 Analyze Data Trends to Enhance Risk Management Processes
- › 5.4 Develop Action Plans for Addressing Identified Risk Gaps
- › 5.5 Implement Feedback Mechanisms for Ongoing Improvement
- › 5.6 Assess the Effectiveness of Monitoring and Improvement Activities

• 1 Understanding Stakeholder Identification in Nuclear Energy — 6 classes

- › 1.1 Define Key Stakeholders in Nuclear Energy
- › 1.2 Analyze the Needs and Expectations of Stakeholders
- › 1.3 Conduct Stakeholder Mapping for Effective Communication
- › 1.4 Identify Methods for Engaging Stakeholders in Decision-Making
- › 1.5 Evaluate the Impact of Stakeholder Engagement on Project Outcomes
- › 1.6 Develop a Stakeholder Communication Plan for Nuclear Projects

• 2 Effective Communication Strategies for Nuclear Stakeholders — 6 classes

- › 2.1 Assess Stakeholder Needs and Expectations
- › 2.2 Develop Tailored Communication Plans
- › 2.3 Apply Effective Messaging Techniques
- › 2.4 Utilize Various Communication Channels
- › 2.5 Implement Feedback Mechanisms for Stakeholder Engagement
- › 2.6 Evaluate and Improve Communication Strategies

• 3 Regulatory Frameworks and Reporting Obligations — 6 classes

- › 3.1 Identify Key Regulatory Frameworks Impacting Nuclear Energy
- › 3.2 Analyze Reporting Obligations Under ISO 9001 Standards
- › 3.3 Explore Stakeholder Roles in Regulatory Compliance
- › 3.4 Develop Effective Communication Strategies for Reporting
- › 3.5 Assess the Impact of Regulatory Changes on Stakeholder Engagement
- › 3.6 Create Sample Reports to Meet Regulatory Requirements

• 4 Developing Stakeholder Feedback Mechanisms — 6 classes

- › 4.1 Identify Key Stakeholders for Feedback Mechanisms
- › 4.2 Analyze Stakeholder Needs and Expectations
- › 4.3 Design Effective Feedback Collection Tools
- › 4.4 Implement Feedback Mechanisms in Practice
- › 4.5 Evaluate the Effectiveness of Stakeholder Feedback
- › 4.6 Report Stakeholder Feedback to Leadership

• 5 Measuring the Impact of Stakeholder Communication — 6 classes

- › 5.1 Identify Key Stakeholders for Effective Communication
- › 5.2 Develop Metrics for Evaluating Communication Strategies
- › 5.3 Analyze Stakeholder Feedback to Measure Impact
- › 5.4 Utilize Tools for Tracking Communication Effectiveness
- › 5.5 Create a Reporting Framework for Stakeholder Insights
- › 5.6 Implement Continuous Improvement Practices in Communication