

## ISO 19443:2018 - Certified Lead Auditor

### Course Outline

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#### About ISO 19443:2018 - Certified Lead Auditor Certification

ISO 19443:2018 is an international standard that specifies quality management system (QMS) requirements for organizations supplying products and services important to nuclear safety (ITNS). It is based on ISO 9001:2015, with additional nuclear-sector-specific requirements.

ISO 19443:2018 was developed to address the unique challenges and heightened safety requirements of the nuclear energy supply chain. Unlike general quality management standards, ISO 19443 integrates the concept of nuclear safety culture, placing a strong emphasis on traceability, rigorous risk management, and regulatory compliance. It provides a common framework for suppliers to demonstrate their capability to deliver products and services that meet both quality and nuclear safety expectations. This helps nuclear facility operators and regulatory bodies improve supply chain consistency, reduce risk, and enhance overall safety performance across the industry.

#### Purpose of the ISO 19443 Lead Auditor Certification

- 1) The Certified Lead Auditor program for ISO 19443:2018 is designed to equip professionals with:
- 2) In-depth knowledge of the standard's requirements
- 3) Skills to plan, conduct, report, and follow up on audits
- 4) Competency to lead first-party (internal), second-party (supplier), or third-party (certification) audits
- 5) Understanding of risk management, continual improvement, and compliance in the nuclear sector

#### What Modules are covered?

##### Module 1 - Overview of ISO 19443:2018

- 1) Relationship with ISO 9001
- 2) Specific focus on ITNS (Items Important to Nuclear Safety)
- 3) Regulatory framework and nuclear safety culture

##### Module 2 - Structure of the Standard

- 1) Context of the organization
- 2) Leadership and commitment
- 3) Planning and risk-based thinking
- 4) Support and operational control
- 5) Performance evaluation and improvement

##### Module 3 - Audit Principles and Practices

- 1) ISO 19011 guidelines on auditing
- 2) Audit planning and preparation
- 3) Conducting on-site audits
- 4) Collecting and verifying audit evidence

##### Module 4 - Audit Roles and Responsibilities

- 1) Lead auditor responsibilities
- 2) Managing audit teams
- 3) Communicating with auditees
- 4) Reporting and closing nonconformities

#### This certification is ideal for:

- 1) Quality professionals working in or supporting the nuclear industry
- 2) Auditors and lead auditors seeking to expand into nuclear-sector auditing
- 3) Consultants and quality managers responsible for supplier quality
- 4) Organizations seeking to qualify as nuclear suppliers

#### Benefits of Certification

- 1) Enhanced credibility and employability in highly regulated industries
- 2) Ability to lead nuclear supply chain audits
- 3) Contribution to nuclear safety culture and compliance
- 4) Increased trust with regulatory bodies and major nuclear clients

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