



ISO 55001:2024 Lead Auditor Asset Management Training



AGILE LEADERS
Training Center

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Course Overview:

The ISO 55001:2024 Lead Auditor Training Course for Asset Management Systems develops the knowledge and auditing capabilities required to evaluate an asset management system against ISO 55001:2024 requirements. Designed for professionals seeking ISO 55001 Auditor Training, the course combines asset management principles with the audit practices of ISO 19011 and the certification-audit requirements associated with ISO/IEC 17021-1.

Participants examine ISO 55000 asset management concepts, asset lifecycle management, value realization, leadership, risk-based decision-making and the role of the Strategic Asset Management Plan SAMP. The course also addresses the significant areas emphasized by ISO 55001:2024, including organizational context, asset management decision-making, knowledge, data and information, predictive action, performance evaluation and continual improvement.

Through structured audit scenarios, participants learn to plan and conduct first-, second- and third-party audits; develop an ISO 55001 audit checklist; collect objective evidence; evaluate conformity; and report major and minor nonconformities. The programme also covers auditor competence, professional conduct, communication and team leadership. Drawing on ISO 55012 guidance, it considers how competence, awareness, collaboration and people involvement influence asset management system performance. By completing this Asset Management Lead Auditor course, participants will be prepared to manage the full audit lifecycle and provide evidence-based conclusions that support ISO 55001 compliance and organizational improvement.

Target Audience:

- Asset Management Lead Auditors and aspiring lead auditors
- ISO 55001 Internal Auditors
- Asset Management System Auditors
- Asset managers and asset management professionals
- Maintenance and reliability managers
- Engineering and technical managers
- Facilities and infrastructure managers
- Operations and production managers
- Quality, compliance and risk managers

Targeted Organizational Departments:

- Asset Management
- Internal Audit and Assurance
- Quality and Management Systems
- Engineering and Technical Services
- Maintenance and Reliability
- Operations and Production
- Facilities and Infrastructure Management
- Risk Management and Compliance
- Finance and Asset Accounting
- Procurement and Supply Chain

Targeted Industries:

- Oil, gas and petrochemicals
- Energy, power generation and utilities
- Water and wastewater services
- Manufacturing and industrial production
- Transportation, railways and aviation
- Construction and infrastructure
- Telecommunications and technology
- Mining and natural resources
- Facilities and property management

Course Offerings:

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

- Explain ISO 55000 asset management principles and terminology.
- Interpret ISO 55001:2024 requirements within an organizational context.
- Recognize key ISO 55001:2024 changes and their audit implications.
- Evaluate the Strategic Asset Management Plan and its alignment with organizational objectives.
- Assess asset lifecycle management, value, risk and opportunity controls.
- Apply ISO 19011 audit principles to an ISO 55001 audit.
- Distinguish first-, second- and third-party audit requirements.
- Define audit objectives, scope, criteria and team responsibilities.
- Prepare risk-based audit plans, checklists and working documents.

Training Methodology:

The course uses an interactive, audit-focused methodology that connects ISO 55001:2024 requirements with realistic asset management situations. Facilitated presentations establish the principles of ISO 55000 asset management, the ISO 55001 framework, ISO 19011 audit guidelines and relevant ISO/IEC 17021-1 certification-audit practices. Clause-based discussions help participants interpret requirements through evidence rather than relying only on theoretical definitions.

Case studies place participants in realistic asset-intensive organizations where they evaluate asset management policies, SAMP alignment, lifecycle plans, risk registers, performance indicators and documented information. Group work is used to define audit objectives, determine scope, allocate team responsibilities and prepare an ISO 55001 audit checklist. Participants analyze sample records, conduct simulated interviews and decide whether the available information provides sufficient objective evidence.

Role-based audit simulations cover opening meetings, Stage 1 document review, Stage 2 audit activities, audit-team discussions and closing meetings. Participants practise writing clear findings, differentiating major and minor nonconformities, and evaluating corrective-action plans. Facilitated feedback sessions compare different audit approaches and reinforce integrity, confidentiality, independence, fair presentation and professional judgement. Daily reflection and review sessions consolidate the learning and allow participants to connect each audit stage to their organizational responsibilities.

Course Toolbox:

- ISO 55001:2024 clause interpretation guide
- ISO 55000 asset management terminology reference
- ISO 19011 audit principles summary
- ISO/IEC 17021-1 certification-audit overview
- ISO 55001:2024 changes reference sheet
- Asset Management System Audit planning template
- ISO 55001 audit checklist example
- Stage 1 documented-information review guide
- Stage 2 audit activity planner

Note: Commercial standards, auditing software and digital audit tools are not provided. The course provides professional insights, illustrative examples and guidance on selecting and applying relevant tools.

Course Agenda:



Day 1: ISO 55001:2024 Foundations and Requirements

- **Topic 1:** ISO 55000 asset management principles and terminology
- **Topic 2:** Assets, asset management and the management system
- **Topic 3:** Asset value, criticality, availability and reliability
- **Topic 4:** Asset lifecycle management and value realization
- **Topic 5:** ISO 55001:2024 structure and key changes
- **Topic 6:** Annex SL and integrated management systems
- **Reflection & Review:** Connecting asset management principles with ISO 55001 audit criteria

Day 2: Interpreting the Asset Management System

- **Topic 1:** Organizational context and interested parties
- **Topic 2:** Leadership, policy and organizational responsibilities
- **Topic 3:** Strategic Asset Management Plan and objectives
- **Topic 4:** Asset management risk assessment and opportunities
- **Topic 5:** Resources, competence, awareness and communication
- **Topic 6:** Operations, performance evaluation and improvement
- **Reflection & Review:** Identifying auditable evidence across ISO 55001:2024 clauses

Day 3: Audit Principles, Planning and Preparation

- **Topic 1:** ISO 19011 audit principles and professional conduct
- **Topic 2:** First-, second- and third-party ISO 55001 audits
- **Topic 3:** ISO/IEC 17021-1 and the certification process
- **Topic 4:** Audit objectives, scope, criteria and feasibility
- **Topic 5:** Audit teams, technical experts and lead auditor duties
- **Topic 6:** Audit plans, checklists and working documents
- **Reflection & Review:** Reviewing the completeness of an ISO 55001 audit plan



Day 4: Conducting the ISO 55001 Audit

- **Topic 1:** Opening meetings and audit communication
- **Topic 2:** Stage 1 review of documented information
- **Topic 3:** Stage 2 process and system evaluation
- **Topic 4:** Interviews, observation and evidence collection
- **Topic 5:** Audit sampling, materiality and reasonable assurance
- **Topic 6:** Evidence evaluation and audit-team coordination
- **Reflection & Review:** Evaluating evidence from a simulated Asset Management System Audit

Day 5: Findings, Reporting and Audit Programme Management

- **Topic 1:** Conformity, observations and audit conclusions
- **Topic 2:** Major and minor nonconformity classification
- **Topic 3:** Writing evidence-based nonconformity reports
- **Topic 4:** Closing meetings and ISO 55001 audit reporting
- **Topic 5:** Corrective-action review and audit follow-up
- **Topic 6:** Managing and improving the audit programme
- **Reflection & Review:** Consolidating the complete ISO 55001 Lead Auditor process

FAQ:

What specific qualifications or prerequisites are needed for participants before enrolling in the course?

No formal certification is required to attend. However, participants should have basic knowledge of asset management concepts, the Plan-Do-Check-Act cycle, organizational risk management and management systems. Previous experience in asset management, maintenance, engineering, operations, auditing, quality or compliance is beneficial. Participants intending to pursue an external lead auditor credential should separately verify the professional experience and audit-hour requirements of the relevant certification body.

How long is each day's session, and is there a total number of hours required for the entire course?

Each day's session is generally structured to last around 4-5 hours, with breaks and interactive activities included. The total course duration spans five days, approximately 20-25 hours of instruction.



Does completing this course automatically make a participant a certified ISO 55001 Lead Auditor?

No. Completing the training develops the required knowledge and auditing skills, but professional certification is a separate process administered by an independent certification body. Depending on the chosen credential, candidates may need to pass an examination and demonstrate relevant professional and management-system audit experience. Course participation alone should not be interpreted as certification or authorization to conduct accredited certification audits.

How This Course Is Different from Other ISO 55001 Lead Auditor Courses:

This ISO 55001:2024 Lead Auditor Training Course goes beyond a clause-by-clause explanation of the standard. It connects every major requirement with the evidence an Asset Management System Auditor should seek, test and evaluate. Participants examine the complete audit lifecycle, from defining objectives and reviewing the SAMP to reporting findings and evaluating corrective action.

The course addresses the current emphasis on asset management decision-making, lifecycle value, knowledge, data and information, risk, predictive action and continual improvement. It also incorporates ISO 55012 perspectives on competence, awareness, communication and people involvement, enabling auditors to assess the human factors supporting effective asset management.

Another distinguishing feature is the integration of ISO 19011 audit guidelines with relevant ISO/IEC 17021-1 certification-audit practices. This allows participants to understand the differences among internal audits, supplier audits and third-party certification audits. Structured scenarios develop professional judgement in sampling, materiality, reasonable assurance, evidence evaluation and nonconformity classification. Instead of promoting particular software, the programme provides adaptable templates, audit-tool examples and selection insights that participants can apply within different industries, asset portfolios and organizational environments.



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