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Sign Up

ISO/IEC 42001 Lead Auditor Certification Training

4 days (28 hours)

Overview

The ISO/IEC 42001 Lead Auditor Certification Training prepares you to audit artificial intelligence management systems, conduct challenging audits, and pursue the official PECB Certified ISO/IEC 42001 Lead Auditor certification.

ISO/IEC 42001 is the international standard dedicated to artificial intelligence management systems. It enables organizations that develop, provide, or use AI systems to structure their governance, manage their risks, and demonstrate a responsible approach.

Our ISO/IEC 42001 Lead Auditor Certification Training course enables you to master the standard's requirements from an auditor's perspective. You will learn how to assess the compliance of an AI management system, gather objective evidence, and draw sound audit conclusions.

You will develop the skills needed to prepare, initiate, conduct, and close an audit in accordance with the principles of ISO 19011 and the requirements applicable to audit bodies.
Case studies, writing exercises, and practice questions directly address the areas of competence assessed on the exam.

Upon completion of the training, you will have an operational methodology for leading an audit team, addressing nonconformities, and managing an AI systems audit program. You will be prepared to take the official PECB Certified ISO/IEC 42001 Lead Auditor exam.

Like all our training courses, this one will introduce you to **the latest stable version** of the technology and its new features.

Objectives

- Interpret the requirements of ISO/IEC 42001 from an auditor’s perspective
- Assess the compliance of an IA management system and the adequacy of the evidence collected
- Plan, initiate, conduct, and close an audit in accordance with the principles of ISO 19011
- Document findings, nonconformities, and actionable audit reports
- Manage an audit program and coordinate a team of auditors
- Prepare for the PECB Certified ISO/IEC 42001 Lead Auditor certification exam

Target Audience

- Internal auditor
- External auditor
- AI compliance manager
- AI Governance Consultant
- Risk Management Manager

Prerequisites

- Fundamental knowledge of the principles of artificial intelligence and its lifecycles
- Understanding of the requirements for a management system in accordance with ISO/IEC 42001
- Experience with or knowledge of internal or external audit practices
- Proficiency in the concepts of risk, compliance, and objective evidence

Technical Prerequisites

- Computer running Windows 10 or later, macOS 12 or later, or a recent Linux distribution
- Up-to-date Google Chrome, Mozilla Firefox, or Microsoft Edge browser
- Stable internet connection with access to videoconferencing services and training resources
- Office suite compatible with PDF and DOCX formats for audit work

ISO/IEC 42001 Lead Auditor Training Program

[Day 1 - Morning]

Fundamentals of AIMS and the certification framework

- The Role of ISO/IEC 42001 in the Governance of Artificial Intelligence Systems
- Key terminology, interested parties, organizational context, and scope of AIMS
- Plan-Do-Check-Act cycle, AI policy, governance roles, and responsibilities
- Structure of the PECB Certified ISO/IEC 42001 Lead Auditor exam and assessed competency areas
- Auditor’s analysis of requirements related to context and leadership

[Day 1 – Afternoon]

Standard requirements and IA risk management

- Interpretation of requirements for planning, support, operations, evaluation, and improvement
- Identification of risks and opportunities related to artificial intelligence systems
- Review of control objectives, control measures, documented information, and evidence
- Relationship between AI governance, transparency, data quality, security, and human oversight Human
- Hands-on workshop: mapping ISO/IEC 42001 requirements and the expected evidence for an AI system used in applicant screening.

[Day 2 - Morning]

Audit principles and engagement preparation

- Principles, ethics, independence, confidentiality, and an evidence-based approach
- Roles of the audit manager, auditors, technical experts, and the auditee
- Defining the objectives, criteria, scope, feasibility, and resources for an AIMS audit
- Developing the audit plan, sampling plan, and working papers
- Techniques for preparing interviews and conducting preliminary document reviews

[Day 2 – Afternoon]

Initiating and conducting investigations

- Opening meeting, presentation of the plan, and management of engagement adjustments
- Conducting interviews, advanced questioning, and cross-checking statements
- Sampling of AI processes, datasets, models, and governance decisions
- Qualifying objective evidence and ensuring traceability of findings
- Hands-on workshop: Preparing an audit plan and interview guide to audit the AI risk management framework.

[Day 3 – Morning]

On-site audit of AI processes

- Assessment of operational activities across the entire lifecycle of an AI system
- Audit of data governance, model documentation, and performance monitoring
- Verification of measures related to transparency, accountability, and impact management

- Identification of discrepancies between requirements, operational practices, and available evidence
- Handling sensitive situations, disagreements, and restrictions on access to information

[Day 3 – Afternoon] Findings

and non-conformities

- Distinguishing between compliance, non-compliance, observations, and opportunities for improvement
- Drafting factual, relevant, traceable findings linked to audit criteria
- Assessing the severity of nonconformities and consolidating evidence
- Preparing conclusions and communicating effectively with the audit team
- Hands-on workshop: analyzing an audit file, classifying discrepancies, and drafting well-reasoned non-compliance reports.

[Day 4 - Morning]

Closing and managing the audit program

- Preparing and facilitating the closing meeting
- Structure of the audit report, formulating conclusions, and controlled distribution
- Monitoring corrective actions, validating corrections, and verifying their effectiveness
- Designing an audit program based on risks, objectives, and AIMS maturity
- Team supervision, skills management, and continuous improvement of the audit function

[Day 4 – Afternoon]

Intensive preparation for certification

- Structured review of the exam’s seven competency areas
- Reading strategies, time management, and use of authorized materials
- Analysis of complex scenarios involving the audit of an AI management system
- Consolidation of key considerations regarding requirements, evidence, findings, and conclusions
- Hands-on workshop: conducting a mock exam with feedback and collectively reviewing answers based on certification criteria.

Target Audience

This training is intended for both individuals and companies—large or small—seeking to train their teams in new, advanced IT technologies or to acquire specific industry knowledge or modern methodologies.

Assessment at the Start of Training

The pre-training assessment complies with Qualiopi quality standards. Upon

final registration, the learner receives a self-assessment questionnaire that allows us to evaluate their estimated proficiency level across various types of technologies, as well as their expectations and personal goals for the upcoming training, within the limits imposed by the selected format. This questionnaire also allows us to anticipate certain connection or internal security issues within the company (intra-company or virtual classroom) that could pose challenges for monitoring and ensuring the smooth running of the training session.

Teaching Methods

Hands-On Training: 60% Practical, 40% Theoretical. Training materials distributed in digital format to all participants.

Organization

The course alternates between theoretical input from the instructor—supported by examples and reflection sessions—and group work.

Assessment

At the end of the session, a multiple-choice quiz is administered to verify that participants have successfully acquired the skills.

Certification

A certificate will be issued to each trainee who has completed the entire training program.

Training organization registered under number 11 75 54743 75. This registration does not constitute state accreditation.
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