Certified ISO/IEC 42001 Lead Implementer Training

Duration: **4 Day**

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Overview

- **Plan and lead the implementation of a complete AI Management System with confidence.**
- **Designed for GRC professionals, AI project leaders, and practitioners who need a structured implementation framework.**
- **More than 400 pages of practical material, exercises, examples, and quizzes support the learning experience.**

The **Certified ISO/IEC 42001 Lead Implementer** course is designed to provide participants with the competencies required to plan, implement, manage, monitor, maintain, and continually improve an **Artificial Intelligence Management System (AIMS)** based on ISO/IEC 42001.

Artificial intelligence is becoming an increasingly important part of modern organisations across a wide range of industries. While this creates significant opportunities, it also introduces new governance, risk, accountability, ethical, compliance, and management challenges.

This programme focuses not only on implementing AI technologies, but also on establishing a structured management system that supports their responsible and controlled use.

Participants learn how to interpret ISO/IEC 42001 from an implementer's perspective, initiate an AIMS implementation project, plan the required activities, put the management system into operation, monitor its performance, improve it over time, and prepare the organisation for third-party certification.

The course provides a practical framework for translating AI strategies into structured and actionable management system activities.

Bilginç IT Academy is a **recognized official training partner of PECB (Professional Evaluation and Certification Board)**.
Through this partnership, we deliver **globally accredited PECB-certified training programs**, enabling professionals to gain international recognition and practical expertise in areas such as Artificial Intelligence Management, Information Security, Environmental, and Quality Management Systems.
Visit our official PECB partner page here: Bilginç IT Academy – PECB Official Partner

Prerequisites

There are no formal prerequisites for attending this course.

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Who Should Attend

The programme is particularly suitable for:

- Governance, Risk & Compliance practitioners
- Professionals responsible for overseeing or managing AI projects
- Consultants advising organisations on AI implementation strategies
- Expert advisors seeking to master ISO/IEC 42001 implementation
- Professionals responsible for ensuring that AI projects meet organisational AI requirements
- Members of AI implementation teams
- Professionals involved in establishing an Artificial Intelligence Management System
- Executives and managers making strategic decisions about AI implementation
- Leaders seeking to align organisational AI programmes with ISO/IEC 42001

What You Will Learn

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

- Explain the fundamental concepts of an AI Management System
- Describe the main principles behind an AIMS based on ISO/IEC 42001
- Interpret ISO/IEC 42001 requirements from an implementer's perspective
- Initiate an AIMS implementation project
- Plan the implementation of an AI Management System
- Translate AI governance requirements into operational activities
- Support the implementation of an AIMS
- Support the day-to-day operation of the management system
- Establish monitoring and measurement activities
- Maintain the AIMS
- Support continual improvement
- Prepare an organisation for a third-party certification audit
- Align AI strategies with ISO/IEC 42001 requirements

Outline

Day 1: Introduction to ISO/IEC 42001 and Initiating an AIMS Implementation

The first day introduces the ISO/IEC 42001 standard and the activities required to begin an AI Management System implementation.

Topics include:

- Introduction to ISO/IEC 42001
- What is an Artificial Intelligence Management System?
- Purpose of an AIMS
- Relationship between AI governance and management systems
- Fundamental ISO/IEC 42001 concepts
- Key principles
- Understanding organisational context

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- Identifying relevant interested parties
- Determining the AIMS scope
- Initiating the implementation project
- Roles and responsibilities
- Management commitment
- Initial assessment

Participants learn how to structure the beginning of an AIMS implementation and identify the information required before formal implementation work begins.

Day 2: Planning the Implementation of an AI Management System

The second day focuses on translating ISO/IEC 42001 requirements into a structured implementation plan.

Topics include:

- Developing an implementation roadmap
- Defining AIMS objectives
- Assessing AI-related risks
- Risk treatment
- Planning resources
- Establishing timelines
- Defining implementation responsibilities
- Identifying documentation requirements
- Developing AI-related policies
- Selecting controls
- AI lifecycle considerations
- Compliance requirements
- Internal coordination

Participants learn how to convert the requirements of ISO/IEC 42001 into a practical implementation programme.

Day 3: Implementing an Artificial Intelligence Management System

The third day focuses on putting the planned AIMS into operation.

Topics include:

- AIMS implementation activities
- Applying policies and procedures
- Operationalising AI governance
- Implementing risk controls
- AI system lifecycle management
- Human oversight and accountability
- Data and model management
- Transparency
- Accountability
- Internal communication
- Competence and awareness
- Operational controls
- Documentation management
- Creating implementation evidence

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- Integrating the AIMS into day-to-day operations

This module helps participants understand how to move beyond documentation and establish an AI management system that functions in practice.

Day 4: Monitoring, Continual Improvement, and Certification Audit Preparation

The final day focuses on monitoring the AIMS, improving its effectiveness, and preparing for independent certification.

Topics include:

- Monitoring and measurement
- AIMS performance evaluation
- Internal review
- Management review
- Nonconformities
- Corrective actions
- Continual improvement
- Certification audit preparation
- Audit readiness
- Third-party certification process
- Evidence review
- Documentation readiness
- Preparing for audit findings

Participants learn how to maintain the AIMS as a living management system that continues to evolve with organisational and AI-related requirements.

What's Included

Participants receive:

- **More than 400 pages of training material**
- Practical examples
- Exercises
- Quizzes
- Implementation-focused learning resources

Participants who attend the course receive an attestation of completion worth**31 CPD (Continuing Professional Development) credits**.

Candidates who complete the course but do not pass the examination are eligible for**one free exam retake within 12 months of the original examination date**.

Certification

After successfully completing the course and passing the examination, eligible candidates may apply for

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the:

PECB Certified ISO/IEC 42001 Lead Implementer

credential.

The credential is intended to demonstrate the candidate's ability to effectively plan and implement an Artificial Intelligence Management System aligned with ISO/IEC 42001.

Exams and Assessments

The **PECB Certified ISO/IEC 42001 Lead Implementer** examination is included with the course.

Exam Duration

- **Duration:** 3 hours

The examination is designed to meet the requirements of the PECB Examination and Certification Program.

Exam Competency Domains

The examination covers the following domains:

Domain 1: Fundamental Principles and Concepts of an AIMS

- Artificial Intelligence Management System fundamentals
- Core AIMS principles
- ISO/IEC 42001 concepts

Domain 2: Artificial Intelligence Management System Requirements

- ISO/IEC 42001 requirements
- Management system requirements
- Organisational AI governance needs

Domain 3: Planning an AIMS Implementation Based on ISO/IEC 42001

- Implementation planning
- Scope
- Objectives
- Resources
- Risk-based planning
- Implementation roadmap

Domain 4: Implementing an AIMS Based on ISO/IEC 42001

- Policies

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- Procedures
- Operational controls
- Governance activities
- Implementation evidence

Domain 5: Monitoring and Measurement of an AIMS

- Performance monitoring
- Measurement
- Evaluation
- Review

Domain 6: Continual Improvement and Preparation for Certification Audit

- Nonconformities
- Corrective actions
- Continual improvement
- Audit preparation
- Certification readiness

Specific details regarding examination type, available languages, and applicable exam rules are determined by the relevant PECB examination policies.