

## ISO/IEC 42001 Artificial Intelligence Management System Lead Implementor (PECB Certified) - Including Exam

Duration: 4 Days Course Code: ISO42001LI

### Overview:

**The ISO/IEC 42001 Lead Implementer training course provides the participants with the essential competencies needed to effectively plan, implement, manage, monitor, maintain, and continually improve an artificial intelligence management system (AIMS).**

Artificial intelligence (AI) is becoming a driving force in today's technology landscape. Its application has spanned across numerous sectors. Its rapid expansion brought unique challenges and considerations that demand specific expertise to ensure its effective implementation and responsible management. The PECB ISO/IEC 42001 Lead Implementer training course is your gateway to mastering the practical implementation and responsible management of AI management system.

The PECB ISO/IEC 42001 Lead Implementer training course is designed to prepare you to implement AI management system in accordance with ISO/IEC 42001. It provides you with the necessary competencies to effectively translate AI strategies into actionable solutions. It aims to provide a comprehensive understanding of AI implementation best practices and a framework for its successful integration within organizations, equipping you with the hands-on expertise to drive AIMS implementation projects.

After successfully completing the course and passing the exam, you can apply for the "PECB Certified ISO/IEC 42001 Lead Implementer" credential that demonstrates your ability to effectively implement AI strategies.

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### Target Audience:

**This training course is intended for:**

- Professionals responsible for overseeing and managing AI projects
- Consultants advising on AI implementation strategies
- Expert advisors and specialists aiming to master the practical implementation of AIMS in accordance with ISO/IEC 42001
- Individuals tasked with ensuring that AI projects adhere to AI requirements within an organization
- Members of AIMS implementation teams involved in the implementation of AI systems
- Executives and managers seeking to make informed decisions regarding AI implementation and its alignment with ISO/IEC 42001

### Objectives:

- **After successfully completing the training course, you will be able to:**
- Explain the fundamental concepts and principles of an AIMS based on ISO/IEC 42001
- Interpret the ISO/IEC 42001 requirements for an AIMS from the perspective of an implementer
- Initiate and plan the implementation of an AIMS based on ISO/IEC 42001 by utilizing PECB's IMS2 Methodology and other best practices
- Support an organization in operating, maintaining, and continually improving an AIMS based on ISO/IEC 42001
- Prepare an organization to undergo a third party certification audit

### Prerequisites:

- The main requirement for participating in this training course is having a general knowledge of the AIMS and ISO/IEC 42001.
- ISO42001F - ISO/IEC 42001 Artificial Intelligence Management System Foundation (PECB Certified) - Including Exam

### Testing and Certification

#### Examination

The "PECB Certified ISO/IEC 42001 Lead Implementer" exam meets all the PECB Examination and Certification Program (ECP) requirements. It covers the following competency domains:

**Domain 1:** Fundamental principles and concepts of an artificial intelligence management system (AIMS)

**Domain 2:** Artificial intelligence management system requirements

**Domain 3:** Planning of an AIMS implementation based on ISO/IEC 42001

**Domain 4:** Implementation of an AIMS based on ISO/IEC 42001

**Domain 5:** Monitoring and measurement of an AIMS based on ISO/IEC 42001

**Domain 6:** Continual improvement and preparation for an AIMS certification audit

### Certification

After passing the exam, you can apply for one of the credentials listed in the table below. You will receive a certification once you fulfill all the requirements of the selected credential.

#### PECB Certified ISO/IEC 42001 Provisional Implementer

- Exam: PECB Certified ISO/IEC 42001 Lead Implementer exam or equivalent
- Professional experience: None
- AIMS project experience: None
- Other requirements: Signing the PECB Code of Ethics

#### PECB Certified ISO/IEC 42001 Implementer

- Exam: PECB Certified ISO/IEC 42001 Lead Implementer exam or equivalent
- Professional experience: Two years: At least one year in artificial intelligence
- AIMS project experience: At least 200 hours of project activities
- Other requirements: Signing the PECB Code of Ethics

#### PECB Certified ISO/IEC 42001 Lead Implementer

- Exam: PECB Certified ISO/IEC 42001 Lead Implementer exam or equivalent
- Professional experience: Five years: At least two years in artificial intelligence
- AIMS project experience: At least 300 hours of project activities
- Other requirements: Signing the PECB Code of Ethics

#### PECB Certified ISO/IEC 42001 Senior Lead Implementer

- Exam: PECB Certified ISO/IEC 42001 Lead Implementer exam or equivalent
- Professional experience: Ten years: At least seven years in artificial intelligence
- AIMS project experience: At least 1,000 hours of project activities
- Other requirements: Signing the PECB Code of Ethics

#### To be considered valid, these activities are considered:

- Development of AI-powered solutions
- Design of AI-based systems
- Management of AI project portfolios
- Leading AI innovation teams
- Development of AI strategy and roadmap
- Implementation of AI governance and compliance programs
- Design of AI-based data pipelines
- Implementation of AI-powered business intelligence solutions
- Development and deployment of AI-powered cybersecurity solutions
- Development and implementation of AI-powered autonomous systems
- Management and design of AI-based predictive analytics
- Development of machine learning models
- Training and deployment of language learning models
- Implementation of natural language processing (NLP) solutions
- Development of sentiment analysis and text classification models

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### Follow-on-Courses:

- ISO42001LA - ISO/IEC 42001 Artificial Intelligence Management System Lead Auditor (PECB Certified) - Including Exam
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## Content:

Day 1: Introduction to ISO/IEC 42001 and the initiation of an AIMS implementation

Day 3: Implementation of an AIMS

Day 2: Planning the implementation of an AIMS

Day 4: AIMS monitoring, continual improvement, and preparation for the certification audit

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## Additional Information:

### Educational Approach

- This training course combines theoretical concepts and practical examples based on real-world applications of artificial intelligence, enabling participants to grasp the practical aspects of implementing AIMS.
- The training course contains essay-type exercises and multiple-choice quizzes, some of which are scenario-based.
- The participants are encouraged to collaborate and engage in meaningful discussions with fellow learners while tackling quizzes and exercises.
- The quiz format closely mirrors that of the certification exam, ensuring participants are well-prepared for their exam.

### General Information

- Certification and examination fees are included in the price of the training course.
- Participants receive training course materials containing over 400 pages of information, practical examples, exercises, and quizzes.
- An attestation of course completion worth 31 CPD (Continuing Professional Development) credits will be issued to the participants who have attended the training course.
- Candidates who have completed the training course but failed the exam are eligible to retake the exam once for free within 12 months from the initial date of the exam.

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## Further Information:

For More information, or to book your course, please call us on Head Office 01189 123456 / Northern Office 0113 242 5931

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