

Course Factsheet

SEC1320

ISO/IEC 27001 Lead Implementer Course

Certificate:

PECB Certificate

Duration:

5 days

Course Delivery:

Classroom

Languages:

English

Credits:

35 CPE

Course Description:

This five-day intensive course enables the participants to develop the expertise to support an organization in implementing and managing an Information Security Management System (ISMS) as specified in ISO/IEC 27001:2005. Participants will also master the best practices for implementing information security controls from the eleven areas of ISO/IEC 27002:2005.

This training is consistent with the good practices of project management established by the Project Management Institute (PMI) and ISO 10006:2003 (Quality Management Systems - Guidelines for Quality Management in Projects). This training is fully compatible with ISO/IEC 27003:2009 (Guidelines for the Implementation of an ISMS), ISO/IEC 27004:2009 (Measurement of Information Security) and ISO/IEC 27005:2008 (Risk Management in Information Security).

Audience:

Project manager or consultant wanting to prepare for and support an organization in the implementation of an Information Security Management System (ISMS)

- ISO27001 Auditor who wants to master the Information Security Management System implementation process
- Person responsible for the information security or conformity in an organization
- Member of the information security team
- Expert advisor in information technology
- Technical expert wanting to prepare for an information security function or for an ISMS project management function

Learning Objectives:

At the end of this course, the participant will gain competencies in:

- Understanding the application of an Information Security Management System in the ISO/IEC 27001:2005 context
- Mastering the concepts, approaches, standards, methods and techniques allowing effective management of an Information Security Management System
- Understanding the relationship between an Information Security Management System, including risk management and controls and compliance with the requirements of different stakeholders of the organization
- Acquiring expertise to support an organization in implementing, managing and maintaining an ISMS as specified in ISO/IEC 27001:2005
- Acquiring the expertise necessary to manage a team in implementing the ISO/IEC 27001:2005 standard
- Developing personal skills and knowledge required to advise organizations on best practices in management of information security
- Improving the capacity for analysis and decision making in a context of information security management

Case Study

Scenario driven learning is essential to mastering the content taught during the training. This training includes a real life case study and assignments to:

- Provide applicable situations and cases
- Present a real world connect using situations that can happen in the day to day life of participants,
- Discuss the use and implementation of an ISMS with group members

Prerequisites:

- ISMS Foundation training or a basic knowledge of ISO/IEC 27001:2005 and ISO/IEC 27002:2005 is recommended
- Participants are required to purchase a copy of the ISO/IEC 27001:2005 Standard from www.iso.org
- Upon passing the Lead Implementer Exam, the candidate can get registered with PECB to become:

- A Provisional Implementer – Required: No experience required

- An Implementer – Required: 2 years of professional experience, 1 year of information security experience, ISMS project activities totaling 200 hours
- A Lead Implementer - Required: 5 years of professional experience, 2 years of information security experience, ISMS project activities totaling 300 hours

For more information about these requirements, please visit either www.pecb.org or <https://www.pecb.org/en/certifications/iso-27001-and-information-security-certifications/iso-27001-lead-implementer>

Course Student Material:

An ISMS implementation toolkit as well as a student manual containing over 450 pages of information and practical examples will be distributed to participants

About the Examination:

- The “ISO/IEC 27001:2005 Lead Implementer” exam is certified by PECB
- Duration of the exam: 3 hours
- A certificate will be issued to participants who successfully complete the exam

Credits:

- A 35 CPE (Continuing Professional Education) participation certificate will be issued to participants

Agenda:

Day 1

Introduction to the management of an Information Security Management System (ISMS) based on ISO27001 and launching an ISMS

- Introduction to management systems and the process approach
- Detailed presentation of the standards ISO/IEC 27001:2005, ISO/IEC 27002:2005 and ISO/IEC 27003:2009
- Fundamental principles of Information Security
- Preliminary analysis and determining the level of maturity of the existing management of the Information Security based upon ISO/IEC 21827:2008

- Writing the business case and preliminary design of the ISMS
- Developing a project plan of compliance to ISO/IEC 27001:2005

Day 2

Planning an ISMS based on ISO27001 Launching and implementing an ISMS based on ISO27001

- Establishment of the Governance Framework
- Definition of roles & responsibilities
- Drafting of the ISMS policy
- Defining the scope of the ISMS
- Risk management according to ISO/IEC 27005:2008: identification, analysis and treatment of risk
- Drafting the Statement of Applicability

Day 3

Launching and implementing an ISMS based on ISO27001

- Implementation of a document management framework
- Design of controls and writing procedures
- Implementation of controls
- Development of a training & awareness program and communication around the information security
- Incident Management according to ISO/IEC TR 18044:2004
- Operations management of an ISMS

Day 4

Control, act and the certification audit of the ISMS according ISO/IEC 27001

- Monitoring controls and the management of records
- Development of metrics, performance indicators and the dashboard in accordance with ISO/IEC 27004:2009
- Internal ISMS Audit
- Management review of the ISMS
- Implementation of a continuous improvement program
- Preparing for the ISO/IEC 27001:2005 audit

Day 5

Exam duration: 3 Hrs.

Open Book Exam: Except for the use of a computer, all documents and references are allowed during the exam. The exam is comprised of development questions.