



PECB CERTIFIED ISO 27001 LEAD IMPLEMENTER

**MASTERING THE IMPLEMENTATION AND MANAGEMENT OF AN
INFORMATION SECURITY MANAGEMENT SYSTEM (ISMS) BASED ON
ISO 27001**

SUMMARY

This five-day intensive course enables the participants to develop the expertise necessary to support an organization in implementing and managing an Information Security Management System (ISMS) based on ISO/IEC 27001.

The participants will also be given a thorough grounding in best practices used to implement Information Security controls from all areas of ISO 27002. This training is consistent with the project management practices established in ISO 10006 (Quality Management Systems - Guidelines for Quality Management in Projects). This training is also fully compatible with ISO 27003 (Guidelines for the Implementation of an ISMS), ISO 27004 (Measurement of Information Security) and ISO 27005 (Risk Management in Information Security).

WHO SHOULD ATTEND?



- ▶ Compliance project managers
- ▶ Information Security consultants
- ▶ Internal and external ISO 27001 auditors
- ▶ Members of an Information Security team

COURSE AGENDA

DURATION: 5 DAYS

Introduction to Information Security Management System (ISMS) concepts as required by ISO 27001; initiating an ISMS

- ▶ Introduction to the management systems and the process approach
- ▶ Presentation of the ISO 27000 family standards and regulatory framework
- ▶ Fundamental principles of Information Security
- ▶ Preliminary analysis and determining the level of maturity based on ISO 21827
- ▶ Writing a business case and a project plan for the implementation of an ISMS

Planning the implementation of an ISMS based on ISO 27001

- ▶ Defining the scope of an ISMS
- ▶ Drafting an ISMS and Information Security policies
- ▶ Selection of the approach and methodology for risk assessment
- ▶ Risk management: identification, analysis and treatment of risk (based on ISO 27005)
- ▶ Drafting the statement of applicability

Implementing an ISMS based on ISO 27001

- ▶ Implementation of a document management framework
- ▶ Design of and implementation of controls
- ▶ Information Security training, awareness and communication program
- ▶ Incident management (drawing on guidance from ISO 27035)
- ▶ Operations management of an ISMS

Control, monitor and measure an ISMS and the certification audit of the ISMS in accordance with ISO 27001

- ▶ Monitoring the ISMS controls
- ▶ Development of metrics, performance indicators and dashboards in accordance with ISO 27004
- ▶ ISO 27001 internal audit
- ▶ Management review of an ISMS
- ▶ Implementation of a continual improvement program
- ▶ Preparing for an ISO 27001 certification audit

Certification Exam



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LEARNING OBJECTIVES



- ▶ To understand the implementation of an ISMS
- ▶ To gain a comprehensive understanding of the concepts, approaches, standards, methods and techniques related to an ISMS
- ▶ To acquire the necessary expertise to support an organization in implementing, managing and maintaining an ISMS
- ▶ To acquire the necessary expertise to manage a team implementing ISO 27001

EXAMINATION

The “PECB Certified ISO/IEC 27001 Lead Implementer” exam fully meets the requirements of the PECB Examination and Certification Program (ECP). The exam covers the following competence domains:

1 Domain 1: Fundamental principles and concepts in information security

Main Objective: To ensure that the ISO 27001 Lead Implementer candidate can understand, interpret and illustrate the main Information Security concepts related to an Information Security Management System (ISMS)

2 Domain 2: Information Security Control Best Practice based on ISO 27002

Main Objective: To ensure that the ISO 27001 Lead Implementer candidate can understand, interpret and provide guidance on how to implement and manage Information Security controls best practices based on ISO 27002

3 Domain 3: Planning an ISMS based on ISO 27001

Main Objective: To ensure that the ISO 27001 Lead Implementer candidate can plan the implementation of an ISMS in preparation for an ISO 27001 certification

4 Domain 4: Implementing an ISMS based on ISO 27001

Main Objective: To ensure that the ISO 27001 Lead Implementer candidate can implement the processes and security controls of an ISMS required for an ISO 27001 certification

5 Domain 5: Performance evaluation, monitoring and measurement of an ISMS based on ISO 27001

Main Objective: To ensure that the ISO 27001 Lead Implementer candidate can evaluate, monitor and measure the performance of an ISMS in the context of an ISO 27001 certification

6 Domain 6: Continuous improvement of an ISMS based on ISO 27001

Main Objective: To ensure that the ISO 27001 Lead Implementer candidate can provide guidance on the continuous improvement of an ISMS in the context of ISO 27001

7 Domain 7: Preparation for an ISMS certification audit

Main Objective: To ensure that the ISO 27001 Lead Implementer candidate can prepare and assist an organization for the certification of an ISMS against the ISO 27001 standard

- ▶ The “PECB Certified ISO/IEC 27001 Lead Implementer” exam is available in different languages, such as English, French, Spanish and Portuguese
- ▶ Duration: 3 hours
- ▶ For more information about the exam, please visit: www.pecb.com



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CERTIFICATION

- ▶ After successfully completing the exam, participants can apply for the credentials of PECB Certified ISO/IEC 27001 Provisional Implementer, PECB Certified ISO/IEC 27001 Implementer or PECB Certified ISO/IEC 27001 Lead Implementer, depending on their level of experience
- ▶ A certificate will be issued to participants who successfully pass the exam and comply with all the other requirements related to the selected credential:

Credential	Exam	Professional Experience	ISMS Audit Experience	ISMS Project Experience	Other Requirements
PECB ISO 27001 Provisional Implementer	PECB ISO 27001 Lead Implementer Exam	None	None	None	Signing the PECB code of ethics
PECB ISO 27001 Implementer	PECB ISO 27001 Lead Implementer Exam	Two years One year of Information Security work experience	None	Project activities totaling 200 hours	Signing the PECB code of ethics
PECB ISO 27001 Lead Implementer	PECB ISO 27001 Lead Implementer Exam	Five years One year of Information Security work experience	None	Project activities totaling 300 hours	Signing the PECB code of ethics

GENERAL INFORMATION

- ▶ Certification fees are included in the exam price
- ▶ Participant manual contains over 450 pages of information and practical examples
- ▶ A participation certificate of 31 CPD (Continuing Professional Development) credits will be issued to the participants
- ▶ In case of failure of the exam, participants are allowed to retake it for free under certain conditions



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