PECB CERTIFIED ISO/IEC 27001
LEAD IMPLEMENTER

MASTERING THE IMPLEMENTATION AND MANAGEMENT OF AN INFORMATION SECURITY MANAGEMENT SYSTEM (ISMS) BASED ON ISO/IEC 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/IEC 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/IEC 27005 (Risk Management in Information Security).

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

COURSE AGENDA   DURATION: 5 DAYS

DAY 1

Introduction to Information Security Management System (ISMS) concepts as required by ISO/IEC 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

DAY 2

Planning the implementation of an ISMS based on ISO/IEC 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

DAY 3

Implementing an ISMS based on ISO/IEC 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

DAY 4

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

- ► Monitoring the ISMS controls
- ► Development of metrics, performance indicators and dashboards in accordance with ISO 27004
- ► ISO/IEC 27001 internal audit
- ► Management review of an ISMS
- ► Implementation of a continual improvement program
- ► Preparing for an ISO/IEC 27001 certification audit
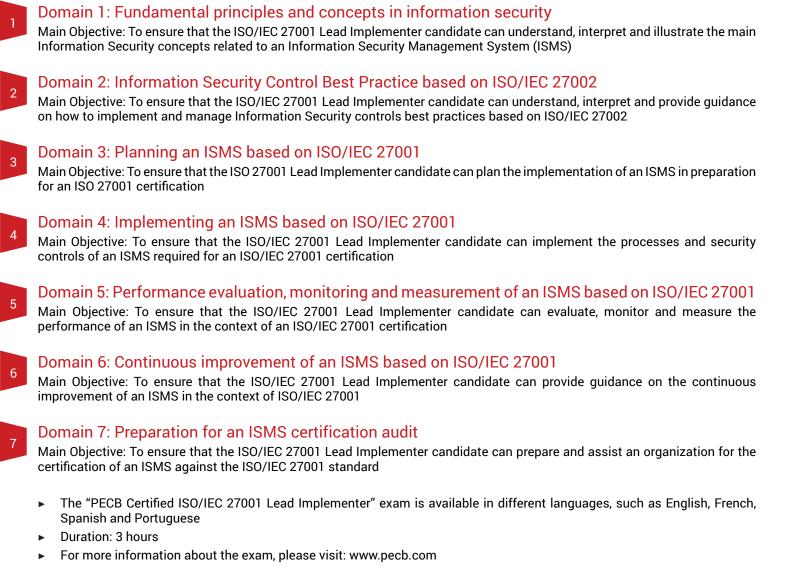
DAY 5

Certification Exam

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/IEC 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/IEC 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/IEC 27002

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

3

Domain 3: Planning an ISMS based on ISO/IEC 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/IEC 27001

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

5

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

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

6

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

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

7

Domain 7: Preparation for an ISMS certification audit

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

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/IEC 27001 Provisional Implementer	PECB ISO/IEC 27001 Lead Implementer Exam	None	None	None	Signing the PECB code of ethics
PECB ISO/IEC 27001 Implementer	PECB ISO/IEC 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/IEC 27001 Lead Implementer	PECB ISO/IEC 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