

MASTER CLASS ISO 27001 IMPLEMENTATION

DURATION: **5 DAYS**

COURSE OVERVIEW

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 27001:2013. 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)

TARGET AUDIENCE

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

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

COURSE OBJECTIVES

1. At the end of this course, the participant will gain competencies in:
2. Understanding the application of an Information Security Management System in the ISO/IEC 27001:2013 context
3. Mastering the concepts, approaches, standards, methods and techniques allowing effective management of an Information Security Management System
4. 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

5. Acquiring expertise to support an organization in implementing, managing and maintaining an ISMS as specified in ISO/IEC 27001:2013
6. Acquiring the expertise necessary to manage a team in implementing the ISO/IEC 27001:2013 standard
7. Developing personal skills and knowledge required to advise organizations on best practices in management of information security
8. Improving the capacity for analysis and decision making in a context of information security management

COURSE CONTENT

Day 1: Introduction to Information Security Management System (ISMS) concepts as required by

1. ISO 27001; Initiating an ISMS
2. Introduction to management systems and the process approach
3. Presentation of the standards ISO 27001, ISO 27002 and ISO 27003 and regulatory framework
4. Fundamental principles of Information Security
5. Preliminary analysis and establishment of the level of the maturity level of an existing information security management system based on ISO 21827
6. 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 27001

1. Defining the scope of an ISMS
2. Development of an ISMS and information security policies
3. Selection of the approach and methodology for risk assessment
4. Risk management: identification, analysis and treatment of risk (drawing on guidance from ISO 27005)
5. Drafting the Statement of Applicability

Day 3: Implementing an ISMS based on ISO 27001

1. Implementation of a document management framework
2. Design of controls and writing procedures
3. Implementation of controls
4. Development of a training & awareness program and communicating about the information security
5. Incident management (based on guidance from ISO 27035)
6. Operations management of an ISMS

Day 4: Controlling, monitoring, measuring and improving an ISMS; certification audit of the ISMS

1. Controlling and Monitoring the ISMS

2. Development of metrics, performance indicators and dashboards in accordance with ISO 27004
3. ISO 27001 internal Audit
4. Management review of an ISMS
5. Implementation of a continual improvement program
6. Preparing for an ISO 27001 certification audit

Day 5: Certification Exam

COURSE PREREQUISITES

ISO 27001 Foundation Certification or a basic knowledge of ISO 27001 is recommended

Participants are required to purchase a copy of the ISO/IEC 27001:2013

Upon passing the Lead Implementer Exam, the candidate can get registered with PECB to become:

1. A Provisional Implementer – Required: No experience required
2. An Implementer – Required: 2 years of professional experience, 1 year of information security experience, ISMS project activities totalling 200 hours
3. A Lead Implementer - Required: 5 years of professional experience, 2 years of information security experience, ISMS project activities totaling 300 hours