

ISO 27001 Lead Implementer

Duration 5 days

This course will give you the all the key steps for implementing and maintaining a successful Information Security Management System.

This course provides comprehensive and practical coverage of all aspects of implementing and maintaining an ISO27001 project. If you are involved in information security management, writing information security policies or implementing ISO27001 - either as a Lead Implementer, or as part of the planning/implementation team - this course will give you the all the key steps for implementing and maintaining a successful Information Security Management System.

Course Objectives

- Understanding the application of an Information Security Management System in the context of ISO 27001
- Mastering the concepts, approaches, standards, methods and techniques required in an effective management of an Information Security Management System
- Understand the relationship between the components of an Information Security Management System, including risk management, controls and compliance with the requirements of different stakeholders of the organization
- Acquiring the necessary expertise to support an organization in implementing, managing and maintaining an ISMS as specified in ISO27001
- Acquiring the necessary expertise to manage a team implementing the ISO27001 standard
- Develop the knowledge and skills required to advise organizations on best practices in management of information security
- Improve the capacity for analysis and decision making in a context of information security management

Who Should Attend

- Project managers or consultants wanting to prepare and to support an organization in the implementation of an Information Security Management System (ISMS)
- ISO 27001 auditors who want to master the Information Security Management System implementation process
- Persons responsible for the information security or conformity in an organization
- Members of an information security team
- Expert advisors in information technology
- Technical experts wanting to prepare for an information security function or for an ISMS project management function

Prerequisites

ISO 27001 Foundation certification or a basic knowledge of ISO 27001 and ISO 27002 is recommended

Course Contents

- 1. Introduction to the management of an Information Security Management System (ISMS) based on ISO 27001 and launching an ISMS**
 - Introduction to management systems and the process approach
 - Presentation of the standards ISO 27001, ISO 27002 and ISO 27003 and regulatory framework
 - Fundamental principles of Information Security
 - Preliminary analysis and determining the level of maturity of the existing information security management system based upon ISO 21827
 - Writing the business case and preliminary design of the ISMS
 - Developing a project plan of compliance to ISO 27001
- 2. Planning an ISMS based on ISO 27001**
 - Defining the scope of the ISMS
 - Drafting the ISMS and information security policies
 - Selection of the approach and methodology for risk assessment
 - Risk management according to ISO 27005: identification, analysis and treatment of risk
 - Drafting the Statement of Applicability
- 3. Launching and implementing an ISMS based on ISO 27001**
 - Implementation of a document management framework
 - Design of controls and writing procedures
 - Implementation of controls
 - Development of a training & awareness program and communicating about the information security
 - Incident management according to ISO 27035
 - Operations management of an ISMS
- 4. Control, act and the certification audit of the ISMS according ISO 27001**
 - Monitoring the ISMS controls
 - Development of metrics, performance indicators and dashboards in accordance with ISO 27004
 - ISO27001 internal Audit
 - Management review of the ISMS
 - Implementation of a continuous improvement program
 - Preparing for the ISO 27001 certification audit
- 5. Revision and Exam**

ISO 27001 Lead Auditor

Duration **5 days**

This course will give you all the key steps for implementing and maintaining a successful Information Security Management System.

ISO27001 is the recognised international standard for best practice in information security management systems (ISMS) within any organisation. This course will prepare you to plan and execute audits of information security management systems in line with the international standard ISO/IEC 27001.

Course Objectives

- Acquiring the expertise to perform an ISO 27001 internal audit as specified by ISO 19011
- Acquiring the expertise to perform an ISO 27001 certification audit as specified by ISO 19011, ISO 17021 and ISO 27006
- Acquiring the expertise necessary to manage an ISMS audit team
- Understanding the application of the information security management system in the context of ISO 27001
- Understand the relationship between an Information Security Management System, including risk management, controls and compliance with the requirements of different stakeholders of the organization
- Improve the ability to analyze the internal and external environment of an organization, risk assessment and audit decision-making in the context of an ISMS

Who Should Attend

- Internal auditors
- Auditors wanting to perform and lead Information Security Management System (ISMS) certification audits
- Project managers or consultants wanting to master the Information Security Management System audit process
- Persons responsible for the Information security or conformity in an organization
- Members of an information security team
- Expert advisors in information technology
- Technical experts wanting to prepare for an Information security audit function

Prerequisites

ISO 27001 Foundation certification or basic knowledge of ISO27001 and ISO 27002 is recommended.

Course Contents

- 1. Introduction to the management of an Information Security Management System (ISMS) based on ISO 27001**
 - Normative, regulatory and legal framework related to information security
 - Fundamental principles of information security
 - The ISO 27001 certification process
 - The Information Security Management System (ISMS)
 - Detailed presentation of the clauses 4 to 8 of the ISO 27001 standard
- 2. Planning and Launching an ISO 27001 audit**
 - Fundamental audit concepts and principles
 - Audit approach based on evidence and on risk
 - Preparation of an ISO 27001 certification audit
 - Documenting of an ISMS audit
 - Conducting an opening meeting
- 3. Conducting an ISO 27001 audit**
 - Communication during the audit
 - Audit procedures: observation, document review, interview, sampling techniques, technical verification, corroboration and evaluation
 - Drafting test plans
 - Formulation of audit findings
 - Drafting of nonconformity reports
- 4. Concluding and ensuring the follow-up of an ISO 27001 audit**
 - Audit documentation
 - Quality review
 - Conducting a closing meeting and conclusion of an ISO27001 audit
 - Evaluation of corrective action plans
 - Surveillance audit
 - Audit management program
 - Internal audit and second party audit
- 5. Exam**