

## 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. 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

#### DAY 1

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

- ▶ Introduction to 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 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 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 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 a ISO 27001 certification audit

#### DAY 5

##### **ANSI Accredited Certification Exam**

- ▶ PECB's 3 Hour Certified ISO 27001 Lead Implementer Exam is available in different languages. The candidates who do not pass the exam will be able to retake it for free within 12 months from the initial exam date.



## EXAMINATION

- ▶ The “Certified ISO/IEC 27001 Lead Implementer” exam fully meets the requirements of the PECB Examination Certification Programme (ECP). The exam covers the following competence domains:
  - » Domain 1: Fundamental principles and concepts of Information Security
  - » Domain 2: Information Security control best practice based on ISO 27002
  - » Domain 3: Planning an ISMS based on ISO 27001
  - » Domain 4: Implementing an ISMS based on ISO 27001
  - » Domain 5: Performance evaluation, monitoring and measurement of an ISMS based on ISO 27001
  - » Domain 6: Continual improvement of an ISMS based on ISO 27001
  - » Domain 7: Preparing for an ISMS certification audit
- ▶ For more information about the exam, please visit: [www.panoramacbs.com](http://www.panoramacbs.com)

## CERTIFICATION

- ▶ After successfully completing the exam, the participants can apply for the credentials of Certified ISO/IEC 27001 Provisional Implementer, Certified ISO/IEC 27001 Implementer or 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
<b>ISO 27001 Provisional Implementer</b>	ISO 27001 Lead Implementer Exam	None	None	None	Signing the PECB code of ethics
<b>ISO 27001 Implementer</b>	ISO 27001 Lead Implementer Exam	<b>Two years</b> One year of Information security work experience	None	Project activities totaling 200 hours	Signing the PECB code of ethics
<b>ISO 27001 Lead Implementer</b>	ISO 27001 Lead Implementer Exam	<b>Five years</b> Two years 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 more than 450 pages of information and practical examples
- ▶ A participation certificate of 31 CPD (Continuing Professional Development) credits will be issued to participants



  
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