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## **ISO/IEC 27001 Foundation Training**

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## ISO/IEC 27001 Foundation Training

### Overview

- Introduction to Information Security Management Systems (ISMS) based on ISO/IEC 27001 international standard
  - Understanding information security principles, governance, risk management, and compliance requirements
  - Learning how to establish, implement, maintain, and continually improve an ISMS
  - Understanding security controls and Annex A security domains
  - Introduction to risk assessment, risk treatment, and security management processes
  - Understanding legal, regulatory, and business requirements related to information security
  - Developing knowledge in security policies, incident management, business continuity, and operational security
  - Preparation for ISO/IEC 27001 Foundation certification examination
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### Training Objectives

By the end of this training, participants will be able to:

- Understand the principles and concepts of Information Security Management
- Explain the purpose and benefits of ISO/IEC 27001
- Understand the structure and requirements of ISO/IEC 27001
- Identify the components of an Information Security Management System (ISMS)
- Understand risk assessment and risk treatment methodologies
- Explain the purpose and implementation of security controls
- Understand information security governance and compliance requirements
- Learn how to develop and maintain security policies and procedures
- Understand incident management and business continuity concepts

- Identify security threats, vulnerabilities, and mitigation measures
  - Understand continual improvement processes within an ISMS
  - Prepare for the ISO/IEC 27001 Foundation certification examination
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## Training Outline

### Module 1: Introduction to ISO/IEC 27001

- What is ISO/IEC 27001?
  - Evolution of information security standards
  - Benefits of implementing ISO/IEC 27001
  - Information Security Management System (ISMS) overview
  - Relationship with other standards and frameworks
  - Key terminology and concepts
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### Module 2: Information Security Fundamentals

- Confidentiality, Integrity, and Availability (CIA)
  - Information security principles
  - Threats, vulnerabilities, and risks
  - Security governance concepts
  - Organizational security culture
  - Roles and responsibilities in information security
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### Module 3: ISO/IEC 27001 Structure and Requirements

- Structure of ISO/IEC 27001 standard
- Context of the organization
- Leadership and commitment
- Planning and risk management

- Support and resource management
  - Operational controls
  - Performance evaluation
  - Continual improvement
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#### **Module 4: Information Security Management System (ISMS)**

- Establishing the ISMS
  - Defining ISMS scope
  - Information security policies and objectives
  - Documentation requirements
  - Communication and awareness
  - Competence and training requirements
  - Monitoring and governance
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#### **Module 5: Risk Management in ISO/IEC 27001**

- Risk management concepts
  - Risk identification and analysis
  - Risk assessment methodologies
  - Risk treatment planning
  - Risk acceptance and monitoring
  - Statement of Applicability (SoA)
  - Risk ownership and accountability
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## **Module 6: Annex A Security Controls**

### **Organizational Controls**

- Security policies
- Roles and responsibilities
- Supplier and third-party security

### **People Controls**

- Human resource security
- Security awareness and training
- Access management responsibilities

### **Physical Controls**

- Physical access security
- Equipment and facility protection
- Environmental security controls

### **Technological Controls**

- Access control
  - Encryption and cryptography
  - Network security
  - Endpoint security
  - Logging and monitoring
  - Backup and recovery
  - Vulnerability management
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## **Module 7: Incident Management and Business Continuity**

- Information security incident management
  - Incident response lifecycle
  - Reporting and escalation procedures
  - Business continuity concepts
  - Disaster recovery planning
  - Recovery objectives and resilience
  - Lessons learned and continual improvement
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## **Module 8: Compliance and Audit**

- Legal and regulatory compliance
  - Internal audit concepts
  - Audit preparation and evidence
  - Nonconformities and corrective actions
  - Management review process
  - Compliance monitoring and reporting
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## **Module 9: ISO 27001 Implementation and Practical Scenarios**

- ISMS implementation lifecycle
  - Gap analysis concepts
  - Risk assessment workshops
  - Security control implementation examples
  - Real-world security scenarios
  - Common implementation challenges and best practices
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## **Module 10: Certification Preparation**

- ISO/IEC 27001 Foundation exam structure
- Exam domains and concepts review
- Sample exam questions
- Practice assessments
- Exam preparation tips and techniques