

Course Outline: Implementing ISO 27001

Learning Method: Instructor-led Classroom Learning

Duration: 3.00 Day(s)/ 24 hrs

Overview:

The course is designed to involve delegate participation, and there are many exercises of differing styles, based primarily on a detailed case study. Styles include lectures, discussions, individual exercises, group exercises and role-play

Who Should Attend:

This course is intended for:

- Those with an interest / responsibility for information security
- IT, Financial and HR Management
- Computer Auditors
- IT Security Officers
- Information Security Professionals

At Course Completion:

After completing this course, students should have learnt how to:

- The component parts of the Standard
- How to manage information security
- How the individual components of the process fit Together
- How to treat implementation as a project Common pitfalls
- How to define and risk assess "information assets"
- How to manage risks in a way suitable to your organization
- The essential requirements for obtaining auditor approval, i.e. certification

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Outline:

Module 1: CONFIDENTIALITY, INTEGRITY, AVAILABILITY AND AUDIT

- Overview of the stages of the ISMS
- Defining an Information Security Policy
- Defining the scope of the ISMS

Module 2: IDENTIFYING INFORMATION ASSETS

- What are information assets?
- Creating an asset classification system

Module 3: UNDERTAKING A RISK ASSESSMENT

- Identifying asset values, threats and Vulnerabilities
- Creating a usable and simple risk methodology
- Using risk tools
- Practical exercise – undertaking a risk assessment
- Results and conclusions resulting from an Assessment

Module 4: MANAGING RISK

- Risk measurement
- Risk reduction and acceptance techniques
- Practical exercise - determining control objectives
- Selecting control objectives and controls
- Security in depth

- ISO 27001 control objectives and controls
- The application of countermeasures
- Practical exercise – creating a workable Countermeasure
- Additional controls not in ISO 27001
- Preparing a Statement of Applicability
- The need to review and audit the ISMS

Module 5: AUDITING

- What does auditing achieve?
- How should auditing be conducted?
- Different types of audit
- The phase 1 and 2 ISO 27001 audits
- Certification – what is next?

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