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Training Academy

BSI/UK/1774/TR/0620/EN/GRP



Masterclass: ISO/IEC 27001 Information Security Management Systems

STAGE 

Essential information about the course

A masterclass is a five-day advanced training course that will give you a deeper understanding of management systems.

By developing this expertise, you'll be better equipped to implement the more challenging technical aspects of a management system standard or discipline. You'll also have the competence to improve an existing management system by evaluating the effectiveness of its implementation.

The masterclass explores key clause requirements, concepts and principles - as well as related standards and guidance.

This masterclass will provide you with the knowledge and skills to implement, maintain and improve the more technical aspects of an information security management system (ISMS) based on ISO/IEC 27001:2013.

Using short presentations, discussions, self-reflection and classroom activities, this masterclass will delve into deeper technical areas, requirements and concepts than would be covered in an ISO/IEC 27001:2013 Lead Implementer training course.

An expert BSI tutor will be on hand to facilitate discussions, draw insights and experiences among the class. This will bring to life the concepts for designing and maintaining an ISMS to achieve sustained success. It will enable you to maximize the applicability of your learning from the masterclass to your workplace.

The masterclass will cover the context of the organization and integration with business processes. The value of information is rising, and organizations are expected to act to protect it.

To address this, an ISO 27001 information security management system (ISMS) can be managed and improved by organizations in various industries all around the world. To establish, manage and maintain a robust ISMS, competent staff are vital in enabling information security resilience.

Our ISO/IEC 27001:2013 masterclass is designed for information security professionals seeking to further develop in their information security journey. You'll have the chance to critically appraise processes, hands-on, and take away sound knowledge of ISO 27001, the ISMS framework, and how best to apply this.

Our course agenda

<p>Day 1</p> <ul style="list-style-type: none"> • Course benefits, welcome and introductions • Course aim, objectives and structure • Information and information security management • Background of ISO 27001 and ISO 27002 • Information security related terms and definitions • ISO/IEC 27001:2013 ISMS Requirements • Requirements of interested parties • Workshop 1: Determining and monitoring organization's requirements • ISO/IEC 27001 requirements refresh • Information security risk management • Risk identification: Vulnerabilities and threats • Risk scales 	<p>Day 2</p> <ul style="list-style-type: none"> • Workshop 2: Information security risk management • Step 1: Planning • Step 2: Information asset inventory • Step 3: Identify information security risks • Step 4: Analyse information security risks • Step 5: Evaluate information security risks • Step 6: Information security risk treatment • Determine all controls necessary to implement risk treatment options
<p>Day 3</p> <ul style="list-style-type: none"> • Information security controls • Annex A • Statement of applicability (SoA) • Differences and relationship between ISO/IEC 27001 and ISO/IEC 27002 • ISO/IEC 27002 Clause 5: Information security policies • ISO/IEC 27002 Clause 6: Organization of information security • ISO/IEC 27002 Clause 7: Human resources security • ISO/IEC 27002 Clause 8: Asset management • ISO/IEC 27002 Clause 9: Access control • ISO/IEC 27002 Clause 10: Cryptography • ISO/IEC 27002 Clause 11: Physical and environmental security • ISO/IEC 27002 Clause 12: Operations security 	<p>Day 4</p> <ul style="list-style-type: none"> • ISO/IEC 27002 Clause 13: Communications security • ISO/IEC 27002 Clause 14: System acquisition, development and maintenance • ISO/IEC 27002 Clause 15: Supplier relationships • ISO/IEC 27002 Clause 16: Information security incident management • ISO/IEC 27002 Clause 17: Information security aspects of business continuity management • ISO/IEC 27002 Clause 18: Compliance • Generating statement of applicability (SoA) • Information security objectives and KPIs • Workshop 3: Objectives and performance evaluation • Step 1: Establishing information security objectives • Step 2: Monitoring and measuring methods
<p>Day 5</p> <ul style="list-style-type: none"> • Selecting and implementing ISO/IEC 27002 clauses as controls (Quiz) • Auditing ISMS and ISO/IEC 27001 certification process • Course review and final questions • Final examination preparation • Examination (2 hours) 	<p>Book today at bsigroup.com/training</p>

Upon successful completion of your course, you'll receive an internationally recognized BSI certificate

Make sure the course is right for you

Who is this course for?

This masterclass is for anyone involved in the detailed technical management and improvement of an ISMS based on ISO/IEC 27001:2013. It is suitable for many roles including:

- Information security professionals to gain new perspectives in ISMS practices
- Consultants who have desire to take their information security knowledge to an advanced level
- Information security professionals who oversee the management of an ISMS

Please note: If you're more interested in the process of implementation, you will find our Implementation course more appropriate. If you're leading an implementation team and want to learn about the requirements, process and project management aspects of the implementation of an ISMS, our Lead Implementer course is more suitable.

What will I learn?	What are the benefits?
<p>You'll have the knowledge to:</p> <ul style="list-style-type: none"> • Communicate more challenging ISMS requirements in detail, using supporting standards as applicable • Identify information security risk management processes • Explain differences, relationships and use between ISO/IEC 27001 and ISO/IEC 27002 (Information technology - Security techniques - Code of practice for information security controls) • Detail the key concepts and implementation guidance of ISO/IEC 27002 • Explain how guidance standards ISO/IEC 27005 (Security techniques - Information security risk management) and ISO/IEC 27004 (Monitoring, measurement, analysis and evaluation) are used in an effective ISMS <p>You'll have the skills to:</p> <ul style="list-style-type: none"> • Ascertain and monitor legal requirements • Determine likelihood and consequence scales • Generate a risk management procedure and conduct information security risk management • Select and implement ISO/IEC 27002 clauses as controls • Establish information security objectives • Develop monitoring and measurement tools • Generate a statement of applicability (SoA) 	<p>This masterclass will help you to:</p> <ul style="list-style-type: none"> • Gain an understanding of effective information security management throughout an organization, and therefore protection of your organization's information (through integrity, confidentiality and availability) and those of your interested parties • Gain hands on experience of the key requirements of ISO 27001, in alignment with best practices and templates used in various implementation projects • Advance your level of knowledge and skills on ISMS management • Explore different perspectives of managing an ISMS which can lead to increased effectiveness and efficiency of your current ISMS

Prerequisites - you are expected to have the following prior knowledge:

You'll need a working knowledge of information security management. You should ideally have good knowledge of ISO/IEC 27001:2013 and the key principles of an ISMS – either by attending our Requirements course (or equivalent) or direct experience.

Why invest in training from BSI?

We want to make sure you have the best learning experience possible. That's why we offer a range of training courses from beginner to expert. We create a positive learning environment so you retain the knowledge and acquire the skills that will continue to be of use beyond the course.

When you attend a BSI training course, our tutors are the best in the business. They're truly passionate about sharing their knowledge and ensuring you learn. Trusted experts with years of hands-on and business experience, they bring the subject matter to life with relevant and contemporary examples to enhance your learning.

Training delivered at your site could be a convenient and cost effective option, especially if you have multiple delegates. Talk to one of our experts to find out more.

Next steps with the BSI Academy

Want to learn more? You may be interested in:

ISO/IEC 27001 Requirements Training Course (1 day)
ISO/IEC 27001 Implementation Training Course (2 days)
ISO/IEC 27001 Lead Implementer Training Course (5 days)
ISO/IEC 27001 Internal Auditor Training Course (2 days)
ISO/IEC 27001 Lead Auditor Training Course (5 days)

You may also be interested in attending our Cloud Security series of courses.

Find out more
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