

PECB LI: ISO/IEC 27001:2022 Lead Implementer

Build an information security management system that works in practice and stands up to a certification audit.

DURATION

5 days · 40 hours

LEVEL

Advanced

CURRICULUM

15 modules · 7 labs

DELIVERY

Live online, Onsite,
Corporate

Course overview

ISO/IEC 27001 is the most widely adopted standard for information security management, and many customers in India and the Gulf now expect suppliers to hold certification. Implementing it well is a management exercise as much as a technical one: you need leadership commitment, a sensible scope, a repeatable risk process and controls people will actually follow. This five-day course shows you how to put those pieces together.

The course follows the life of an implementation project. Day one introduces the standard, its structure and the 2022 changes, and how it relates to ISO/IEC 27002 and other management system standards. Day two covers initiation: understanding the organisation, defining scope, securing leadership support and setting policy and objectives. Day three is the heart of the work, with risk assessment, risk treatment, the Statement of Applicability and control selection across the organisational, people, physical and technological themes. Day four covers operation: documented information, awareness, incident management, monitoring, internal audit and management review. Day five deals with continual improvement, preparing for the certification audit, and exam readiness.

Throughout the week you work on one case organisation. You will define its scope, run a risk assessment, draft a Statement of Applicability and plan internal audit and management review. By the end you have a set of worked examples you can reuse on real projects.

This course is aligned to the PECB Certified ISO/IEC 27001 Lead Implementer exam. Ace Skills Consulting does not provide PECB-licensed courseware; confirm the current exam rules and certification requirements with PECB before booking.

Highlights

- 40 hours of live, trainer-led sessions
- Step-by-step ISMS implementation using one case organisation
- Practical work on scope, risk assessment and Statement of Applicability
- Covers the ISO/IEC 27001:2022 Annex A controls
- Exam preparation for the PECB Lead Implementer exam

What's included

- Trainer with hands-on ISMS implementation experience
- Implementation-project structure from scoping to certification audit
- Case organisation used across all five days
- Worked examples of scope, risk register and Statement of Applicability
- Clause-by-clause and control-by-control discussion of the 2022 edition
- Practice questions and mock exam
- Course completion certificate from Ace Skills Consulting

Who this course is for

Who should attend

- Information security managers and officers
- IT and compliance managers leading ISO/IEC 27001 projects
- Consultants who implement management systems
- Members of an ISMS implementation team
- Professionals moving into governance, risk and compliance roles

Prerequisites

- Basic understanding of information security concepts
- Familiarity with how an organisation's IT and business functions operate
- Prior reading of ISO/IEC 27001 is helpful but not required

Detailed curriculum — 5 days, 40 hours, 15 modules, 7 hands-on labs

Day 1 Introduction to ISO/IEC 27001 and the ISMS

8 hours

1.1 Standards and frameworks

- ISO/IEC 27000 family overview
- Relationship with ISO/IEC 27002 and other frameworks
- Management system standards and the harmonised structure
- What changed in the 2022 edition

1.2 Information security fundamentals

- Confidentiality, integrity and availability
- Controls and their objectives
- Assets, threats, vulnerabilities and risk

1.3 The ISMS approach

- Process approach and PDCA
- Choosing an implementation methodology
- Certification process overview

LAB Map a case organisation's current security practices to ISMS clauses · 45 min

Day 2 Planning the Implementation

8 hours

2.1 Initiating the project

- Business case and leadership commitment
- Gap analysis
- Project team and roles

2.2 Context and scope

- Internal and external issues
- Defining ISMS scope and boundaries
- Interested parties and requirements

LAB Define the ISMS scope for the case organisation · 50 min

2.3 Leadership and policy

- Information security policy
- Information security objectives and measures
- Roles, responsibilities and authorities

LAB Draft an information security policy outline · 35 min

Day 3 Risk Management and Control Selection

8 hours

3.1 Risk assessment

- Risk assessment methodology and criteria
- Risk analysis and evaluation
- Asset and scenario-based approaches

LAB Run a risk assessment for five critical assets · 60 min

3.2 Risk treatment

- Treatment options
- Risk acceptance and owners
- Risk treatment plan

3.3 Annex A controls

- Organisational controls
- Physical controls
- Statement of Applicability
- People controls
- Technological controls

LAB Build a Statement of Applicability with justifications · 50 min

Day 4 Operating, Monitoring and Auditing the ISMS

8 hours

4.1 Support and operation

- Documented information and its control
- Communication plan
- Competence and awareness programmes
- Operational planning and control

4.2 Incidents and change

- Information security incident management
- Supplier relationships
- Managing changes to the ISMS

4.3 Performance evaluation

- Monitoring, measurement and metrics
- Management review
- Internal audit programme

LAB Design ISMS metrics and an internal audit plan · 45 min

Day 5 Improvement, Certification and Exam Readiness

8 hours

5.1 Continual improvement

- Nonconformities and corrective action
- Maintaining the ISMS after certification
- Continual improvement methods

5.2 Preparing for certification

- Choosing a certification body
- Handling audit findings
- Stage 1 and stage 2 audits

5.3 Exam readiness

- Competency domains review
- Mock exam and review
- Scenario-based practice questions

LAB Mock exam with scenario questions · 90 min

Skills and tools

Skills you will build

ISO/IEC 27001:2022

ISMS implementation

Gap analysis

ISMS scoping

Information security risk assessment

Risk treatment

Statement of Applicability

Annex A controls

Security policy

Internal audit planning

Management review

Corrective action

Tools used in class

ISMS document templates

Risk register template

Statement of Applicability template

Gap analysis checklist

Certification exam

This course is aligned to the exam below and prepares you for it. The exam itself is booked and taken with the vendor.

Exam	PECB Certified ISO/IEC 27001 Lead Implementer
Exam code	PECB LI
Official page	https://pecb.com/en/education-and-certification-for-individuals/iso-iec-27001

Exam skill areas covered

Information security management and concepts of an information security management system

Exam details are pending verification. Confirm the current exam code, format and fee on the official vendor page before booking.

Frequently asked questions

Does passing the exam make me a certified Lead Implementer?

Not on its own. PECB awards credential levels based on the exam plus documented professional and project experience, so check the current requirements with PECB.

Is the exam included?

Exam arrangements depend on the batch. Ask our team before enrolling, and confirm the current exam rules directly with PECB.

Should I choose Lead Implementer or Lead Auditor?

Choose Lead Implementer if you will build or run an ISMS, and Lead Auditor if you will audit one. Many practitioners eventually take both.

Do I need a copy of the standard?

It is strongly recommended to buy your own copy of ISO/IEC 27001:2022 from ISO or your national standards body; we do not distribute the standard.

Can you help our organisation run its own implementation?

This is a training course, but corporate batches can use your organisation as the case study so the outputs feed into your real project.

Book a batch or talk to an advisor

Course page: aceskillsconsulting.com/course/pecb-li-iso-iec-27001-lead-implementer · Email: info@aceskillsconsulting.com

Chennai office

Guindy, Chennai, Tamil Nadu

Delhi office

B-95, Old Post Office Street, Shakarpur
New Delhi 110092
Office: 98180 12523

PECB is a trademark of Professional Evaluation and Certification Board. ISO/IEC 27001 is a standard published by ISO and IEC. All product names, logos, brands, trademarks and registered trademarks are the property of their respective owners. Ace Skills Consulting is an independent training provider; unless explicitly stated, it is not affiliated with, endorsed by or sponsored by any vendor mentioned on this site. Exam details are provided for guidance and may change — always confirm on the vendor's official website. Curriculum generated on 23 Oct 2026; topics and order may be adjusted by the trainer to suit each batch.