PECB Certified ISO/IEC 27034
Lead Application Security Auditor

Become proficient in auditing application security based on ISO/IEC 27034

Why should you attend?

As application security threats grow increasingly complex, organizations must ensure that all applications, whether internally developed, outsourced, or commercially purchased, are properly secured throughout their lifecycle. ISO/IEC 27034 provides structured guidance for achieving this.

By attending this course, participants will gain the skills to plan, manage, and report on audit activities; evaluate an organization's ONF, its processes, and components associated with application security, the application security management process (ASMP), and the application's level of trust.

This training is ideal for professionals seeking to enhance their auditing capabilities, contribute to organizational compliance, and support the ongoing development of application security practices.

Who should attend?

This training course is intended for:

- Auditors seeking to perform and lead audits of application security processes
- Information security and IT professionals responsible for application security governance
- Consultants and managers involved in application security compliance assessments
- Members of audit teams and individuals preparing for ISO/IEC 27034 application security audit

Course agenda

Duration: 5 days

Day 1 | Introduction to application security and the ISO/IEC 27034 family of standard

- Training course objectives and structure
- Fundamental concepts and principles of application security
- Introduction to the ISO/IEC 27034 family of standards
- Other standards related to the ISO/IEC 27034 family of standards
- ISO/IEC 27034 requirements and guidelines overview

Day 2 | Initiating and preparing an application security audit

- Targeted level of trust and actual level of trust
- Fundamental audit concepts and principles
- Initial contact and authority
- Audit feasibility, agreements, and constraints
- Planning and preparing for the audit

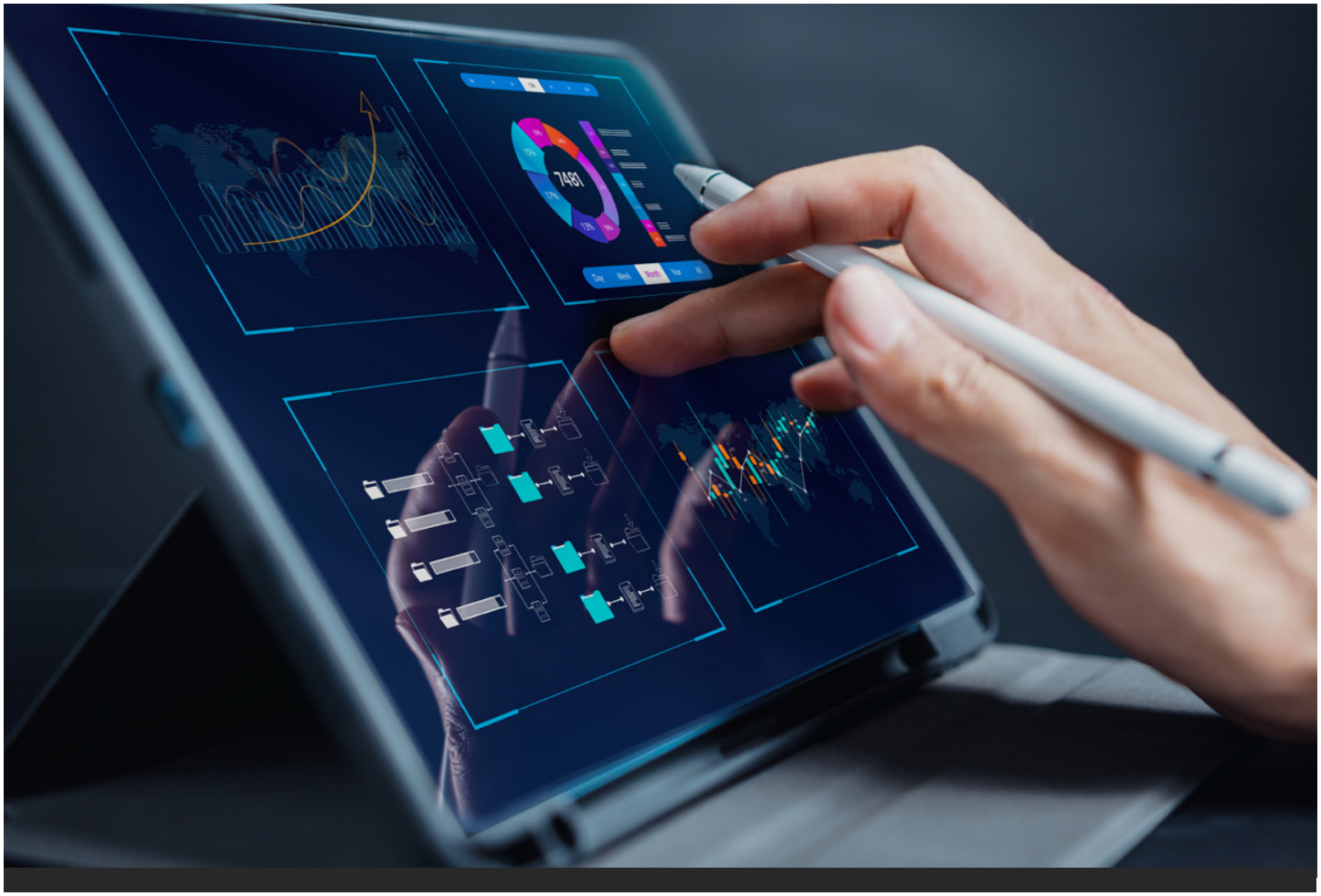
Day 3 | Conducting on-site application security audit

- Evaluation of ONF management process
- Evaluation of the Application Security Management Process (ASMP
- Initial engagement and coordination
- Communication and supervision
- Evidence collection and validatio

Day 4 | Reporting, completing, and following-up on the audit

- Finalizing the audit process and closing meeting
- Preparing and distributing the audit report, and lessons learned
- Audit follow-up and nonconformity resolution
- Evidence management
- Closing of the training course

Day 5 | Certification Exam



Learning objectives

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

- Explain the fundamental concepts and principles of application security based on ISO/IEC 27034
- Interpret the ISO/IEC 27034 guidelines for application security from the perspective of an auditor
- Evaluate the application security conformity to ISO/IEC 27034 guidelines, in accordance with the fundamental audit concepts and principles
- Plan, conduct, and close an ISO/IEC 27034 compliance audit, in accordance with ISO/IEC 17021-1 requirements, ISO 19011 guidelines, and other best practices of auditing
- Manage an ISO/IEC 27034 audit program

Examination

Duration: 3 hours

The "PECB ISO/IEC 27034 Lead Auditor" exam fully meets the PECB Examination and Certification Program (ECP) requirements. It covers the following competency domains:

Domain 1 | Fundamental principles and concepts of application security

Domain 2 | Application security audit concepts and principles

Domain 3 | Initiating an application security audit

Domain 4 | Preparing an ISO/IEC 27034 audit

Domain 5 | Conducting an ISO/IEC 27034 audit

Domain 6 | Audit closure and follow-up for application security

For specific information about the exam type, languages available, and other details, please visit the List of PECB Exams and Exam Rules and Policies.

Certification

After passing the exam, you can apply for one of the credentials in the table below. You will receive a certificate once you fulfill all the requirements of the selected credential.

Credential	Exam	Professional experience	Application security experience	Other requirements
PECB Certified ISO/IEC 27034 Provisional Application Security Auditor	ISO/IEC 27034 Lead Application Security Auditor exam or relevant	None	None	Signing the PECB Code of Ethics
PECB Certified ISO/IEC 27034 Application Security Auditor		**2 years:** (1 in application security)	200 hours	
PECB Certified ISO/IEC 27034 Lead Application Security Auditor		**5 years:** (2 in application security)	300 hours	
PECB Certified ISO/IEC 27034 Senior Lead Application Security Auditor		**10 years:** (7 in application security)	1,000 hours	

For more information about the PECB certification process, please refer to Certification Rules and Policies.

General information

- Certificate and examination fees are included in the price of the training course.
- Participants will receive more than 450 pages of comprehensive training materials, including practical examples, exercises, and quizzes.
- Participants who have attended the training course will receive an attestation of course completion worth 31 CPD (Continuing Professional Development) credits.
- Candidates who have completed the training course with one of our partners and failed the first exam attempt are eligible to retake the exam for free within a 12-month period from the date the coupon code is received because the fee paid for the training course includes a first exam attempt and one retake. Otherwise, retake fees apply.