PECB

PECB Certified ISO/IEC 27034
Lead Auditor

Master the Audit of Application Security (AS) based on ISO/IEC 27034

Why should you attend?

ISO/IEC 27034 Lead Auditor training enables you to develop the necessary expertise to perform an Application Security (AS) audit by applying widely recognized audit principles, procedures and techniques. During this training course, you will acquire the necessary knowledge and skills to plan and carry out Application Security audits.

Based on practical exercises, you will be able to master audit techniques and become competent to manage an audit program, audit team, communication with customers, and conflict resolution.

After acquiring the necessary expertise to perform audits, you can sit for the exam and apply for a "PECB Certified ISO/IEC 27034 Lead Auditor" credential. By holding a PECB Lead Auditor Certificate, you will demonstrate that you have the capabilities and competencies to audit organizations based on best practices.

Who should attend?

➤ Auditors seeking to perform and lead Application Security (AS) audits
➤ Managers or consultants seeking to master Application Security audit techniques
➤ Individuals responsible for maintaining conformance with organization`s Application Security requirements
➤ Expert advisors in Application Security
➤ Application Security analysts
➤ Application developers

Course agenda
Duration: 5 days

Day 1 | Introduction to Application Security

➤ Course objectives and structure
➤ Standards and regulatory frameworks
➤ Validation process
➤ Fundamental principles of Application Security
➤ Application Security overview

Day 2 | Preparation and launching of an Application Security audit

➤ Risks that businesses face from application threats
➤ Understanding vulnerabilities
➤ Discovering vulnerabilities
➤ Testing methodologies
➤ Session management
➤ Authentication issues
➤ Authorization issues
➤ Specification of the tools

Day 3 | Application Security audit activities

➤ Application Security best practices
➤ Code assessment techniques
➤ Analyzing the flow of information all over the application environment
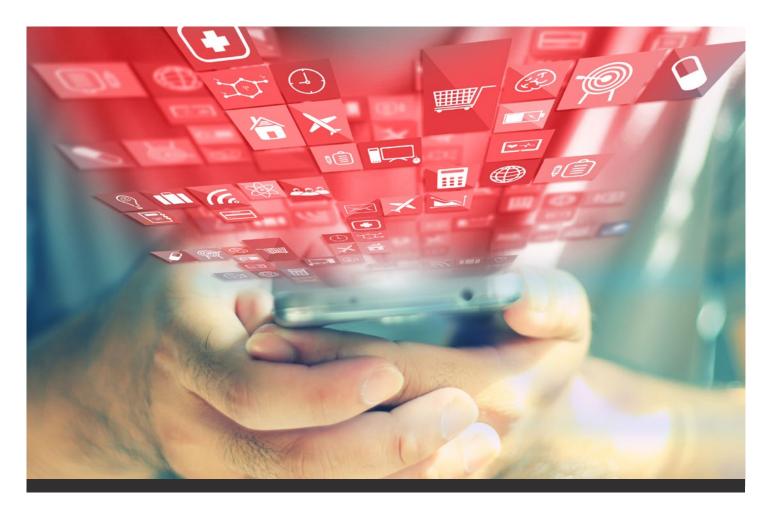➤ Validation of data
➤ Cryptography
➤ Dynamic/Fuzz testing
➤ Define quality gates/bug bar
➤ Analyze security and privacy risk

Day 4 | Closing an Application Security audit

➤ Verify threat models/attack surface
➤ Threat modeling
➤ Enforce banned functions
➤ Static analysis
➤ Response plan
➤ Final security review
➤ Competence and evaluation of auditors
➤ Closing the training

Day 5 | Certification Exam

Learning objectives

➤ Understand the operations of Application Security based on ISO/IEC 27034
➤ Acknowledge the correlation between ISO/IEC 27034 and other standards and regulatory frameworks
➤ Learn how to lead an audit and audit team
➤ Learn how to interpret the recommendations of ISO/IEC 27034
➤ Acquire the competencies of an auditor to: plan an audit, lead an audit, and draft reports
➤ Understand common vulnerabilities and risks related to Applications

Examination   Duration: 3 hours

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

Domain 1 │ Fundamental principles and concepts of Application Security

Domain 2 │ Application Security Controls (ASC)

Domain 3 │ Fundamental audit concepts and principles

Domain 4 │ Preparation of an Application Security audit based on ISO/IEC 27034

Domain 5 │ Conducting an Application Security audit based on ISO/IEC 27034

Domain 6 │ Closing an Application Security audit based on ISO/IEC 27034

Domain 7 │ Managing an Application Security audit program

For more information about exam details, please visit Examination Rules and Policies.

Certification

After successfully completing the exam, you can apply for the credentials shown on the table below
You will receive a certificate once you comply with all the requirements related to the selected credential

For more information about ISO/IEC 27034 certifications and the PECB certification process, please refer to the Certification Rules and Policies.

Credential	Exam	Professional experience	QMS audit experience	Other requirements
PECB Certified ISO/IEC 27034 Provisional Auditor	PECB Certified ISO/IEC 27034 Lead Auditor exam or equivalent	None	None	Signing the PECB Code of Ethics
PECB Certified ISO/IEC 27034 Auditor	PECB Certified ISO/IEC 27034 Lead Auditor exam or equivalent	**Two years:** One year of work experience in Application Security	Audit activities: a total of 200 hours	Signing the PECB Code of Ethics
PECB Certified ISO/IEC 27034 Lead Auditor	PECB Certified ISO/IEC 27034 Lead Auditor exam or equivalent	**Five years:** Two years of work experience in Application Security	Audit activities: a total of 300 hours	Signing the PECB Code of Ethics
PECB Certified ISO/IEC 27034 Master	PECB Certified ISO/IEC 27034 Lead Auditor exam or equivalent and PECB Certified ISO/IEC 27034 Lead Implementer exam or equivalent	**Ten years:** Six years of work experience in Application Security	Audit and Project activities: a total of 500 hours each	Signing the PECB Code of Ethics

General information

➤ Certification fees are included on the exam price
➤ Training material containing over 450 pages of information and practical examples will be distributed
➤ A participation certificate of 31 CPD (Continuing Professional Development) credits will be issued
➤ In case of exam failure, you can retake the exam within 12 months for free

For additional information, please contact us at marketing@pecb.com or visit www.pecb.com