PECB Certified ISO/IEC 17025
Lead Implementer

Master the implementation and management of Laboratory Management Systems (LMS) based on ISO/IEC 17025

Why should you attend?

ISO/IEC 17025 Lead Implementer training enables you to develop the necessary expertise to support laboratories to meet the requirements of the standard by implementing a quality control system based on ISO/IEC 17025. During this training course, you will also gain a thorough understanding of the best practices of an LMS in testing and calibration laboratories in order to produce reliable measurement results and open your laboratory`s doors for accreditation and international recognition.

After mastering all the necessary concepts of Laboratory Management Systems, you can sit for the exam and apply for a "PECB Certified ISO/IEC 17025 Lead Implementer" credential. By holding a PECB Lead Implementer Certificate, you will be able to demonstrate that you have the practical knowledge and professional capabilities to implement ISO/IEC 17025 in your laboratory.

Who should attend?

- Individuals involved in Testing and Calibration Laboratories
- Managers or consultants seeking to master the implementation of a Laboratory Management System
- Laboratory technicians responsible for maintaining conformance with Testing and Calibration Laboratories Accreditation requirements
- Individuals responsible for supporting the operations of a Testing and Calibration Laboratory
- Technical experts seeking to prepare for Testing and Calibration Laboratories competence assessment

Course agenda

Duration: 5 days

Day 1 | Introduction to ISO/IEC 17025 and initiation of a LMS

- Course objective and structure
- Standard and regulatory framework
- Laboratory Management System
- Basic Concepts in Testing and Calibration
- Initiating the LMS implementation
- Understanding the organization and clarifying the objectives
- Analysis of the existing system

Day 2 | Plan the implementation of a LMS

- Leadership and approval of the LMS project
- LMS scope
- Laboratory policies
- Definition of the organizational structure
- Definition of the document management process

Day 3 | Implementation of a LMS

- Design of controls and drafting of specific policies & procedures
- Communication plan
- Training and awareness plan
- Resource Management
- Customer Management
- Operations Management

Day 4 | LMS monitoring, measurement, continuous improvement and preparation for accreditation

- Monitoring, Analysis, and Evaluation
- Internal Audit
- Management Review
- Treatment of problems and nonconformities
- Continual improvement
- Preparing for the accreditation
- Competence and evaluation of implementers
- Closing the training

Day 5 | Certification Exam

Learning objectives

- Acknowledge the correlation between ISO/IEC 17025 and other standards and regulatory frameworks
- Master the concepts, approaches, methods and techniques used for the implementation and effective management of a Laboratory Management System (LMS)
- Learn how to interpret the ISO/IEC 17025 requirements in the specific context of the laboratory
- Learn how to support a laboratory to perform testing and other operating activities
- Acquire the expertise to advise a laboratory in implementing Laboratory Management System best practices

Examination

Duration: 3 hours

The "PECB Certified ISO/IEC 17025 Lead Implementer" 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 a Laboratory Management System (LMS)

Domain 2 | Laboratory Management System (LMS)

Domain 3 | Planning a LMS based on ISO/IEC 17025

Domain 4 | Implementing a management system based on ISO/IEC 17025

Domain 5 | Performance evaluation, monitoring and measurement of a LMS based on ISO/IEC 17025

Domain 6 | Continual improvement of a LMS based on ISO/IEC 17025

Domain 7 | Preparing for an accreditation.

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 17025 certifications and the PECB certification process, please refer to the Certification Rules and Policies.

Credential	Exam	Professional experience	LMS implementation experience	Other requirements
PECB Certified ISO/IEC 17025 Provisional Implementer	PECB Certified ISO/IEC 17205 Lead Implementer Exam or equivalent	None	None	Signing the PECB Code of Ethics
PECB Certified ISO/IEC 17025 Implementer	PECB Certified ISO/IEC 17025 Lead Implementer Exam or equivalent	**Two years:** One year of work experience in Laboratory Management	Project activities: a total of 200 hours	Signing the PECB Code of Ethics
PECB Certified ISO/IEC 17205 Lead Implementer	PECB Certified ISO/IEC 17025 Lead Implementer Exam or equivalent	**Five years:** Two years of work experience in Laboratory Management	Project activities: a total of 300 hours	Signing the PECB Code of Ethics
PECB Certified ISO/IEC 17025 Senior Lead Implementer	PECB Certified ISO/IEC 17205 Senior Lead Implementer or equivalent	**Ten years:** Seven years of work experience in Laboratory Management	Project activities: a total of 1,000 hours	Signing the PECB Code of Ethics
PECB Certified ISO/IEC 17025 Master	ISO/IEC 17025 Lead Implementer + ISO/IEC 17025 Lead Auditor (4 additional foundation exams)	**Fifteen years:** Ten years of work experience in Laboratory Management	Audit activities: 700 hours Project activities: 700 hours	Signing the PECB Code of Ethics

Note: *PECB Certified Individuals who do possess the Lead Implementer and Lead Auditor Credentials are qualified for the respective* ***PECB Master Credential****, given they have taken 4 additional Foundation Exams which are related to this scheme. For more detailed information about the Foundation Exams and the overall Master Requirements, please go to the following link: https://pecb.com/en/master-credentials.*

General information

- Certification and examination fees are included in the price of the training course
- 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