



PECB



CERTIFIED ISO 17025 LEAD IMPLEMENTER

MASTERING THE IMPLEMENTATION AND MANAGEMENT OF A LABORATORY MANAGEMENT SYSTEM (LMS) BASED ON ISO 17025

SUMMARY

This five-day intensive course enables the participants to develop the necessary expertise to support laboratories in implementing and managing a Laboratory Management System (LMS) based on ISO 17025. Participants will also gain a thorough understanding of all the technical requirements for the competence to perform tests and/or calibrations specified in this International Standard.



WHO SHOULD ATTEND?

- ▶ Project managers or consultants wanting to prepare and to support laboratories in the implementation of a Management System as specified in ISO 17025 Laboratory managers
- ▶ Quality managers
- ▶ Auditors who wish to understand the ISO 17025 standard
- ▶ Technical experts wanting to prepare for a quality function or an LMS project management function in laboratories

COURSE AGENDA

DURATION: 5 DAYS

DAY 1 Introduction to ISO/IEC 17025

- ▶ Introduction to quality systems
- ▶ Introduction to management systems and the process approach
- ▶ Fundamental principles of laboratories
- ▶ Accreditation of laboratories
- ▶ Presentation of ISO 17025

DAY 2 Management and technical requirements of ISO 17025

- ▶ Management requirements
- ▶ Technical requirements

DAY 3 Initiating and implementing a LMS based on ISO 17025

- ▶ Selection of the approach and implementation methodology
- ▶ Implementation of a document management framework
- ▶ Drafting an LMS (quality manual, procedures, records)

DAY 4 Monitoring a LMS and preparation for accreditation

- ▶ Monitoring the LMS
- ▶ ISO 17025 internal audit
- ▶ Management review of an LMS
- ▶ Improvement
- ▶ Steps towards accreditation

DAY 5 Certification Exam



LEARNING OBJECTIVES

- ▶ To understand the implementation of a Laboratory Management System in accordance with ISO 17025
- ▶ To gain a comprehensive understanding of the concepts, approaches, methods and techniques required for the effective management of a Laboratory Management System
- ▶ To acquire necessary expertise to support a laboratory in implementing, managing and maintaining an LMS as specified in ISO 17025
- ▶ To acquire necessary expertise to manage a team implementing ISO 17025
- ▶ To understand technical requirements of ISO 17025
- ▶ To prepare a laboratory for an ISO 17025 accreditation

EXAMINATION

The “Certified ISO 17025 Lead Implementer” exam fully meets the requirements of the PECB Examination and Certification Program (ECP). The exam covers the following competence domains:

1 Domain 1: Fundamental principles and concepts in testing and calibration laboratories

Main Objective: To ensure that the ISO 17025 Lead Implementer candidate can understand, interpret and illustrate the main process improvement concepts related to general requirements for the competence of testing and calibration laboratories (TCLA)

2 Domain 2: General requirements for the competence of testing and calibration laboratories best practices based on ISO 17025

Main Objective: To ensure that the ISO 17025 Lead Implementer candidate can understand, interpret and provide guidance on how to implement and manage testing and calibration laboratories requirements based on best practices of ISO 17025

3 Domain 3: Planning a TCL based on ISO 17025

Main Objective: To ensure that the ISO 17025 Lead Implementer candidate can plan the implementation of a TCL in preparation for an ISO 17025 certification

4 Domain 4: Implementing a TCL based on ISO 17025

Main Objective: To ensure that the ISO 17025 Lead Auditor candidate can prepare appropriately a TCL audit in the context of ISO 17025

5 Domain 5: Performance evaluation, monitoring and measurement of a TCL based on ISO 17025

Main Objective: To ensure that the ISO 17025 Lead Implementer candidate can evaluate, monitor and measure the performance of a TCL in the context of an ISO 17025 certification

6 Domain 6: Continual improvement of a TCL based on ISO 17025

Main Objective: To ensure that the ISO 17025 Lead Implementer candidate can provide guidance on the continual improvement of a TCL in the context of ISO 17025

7 Domain 7: Preparation for a TCL certification audit

Main Objective: To ensure that the ISO 17025 Lead Implementer candidate can prepare and assist an organization for the certification of a TCL against the ISO 17025 standard

- ▶ The “Certified ISO 17025 Lead Implementer” exam is available in different languages including English, French, Spanish and Portuguese
- ▶ Duration: 3 hours
- ▶ For more information about the exam, please visit: www.pecb.com



CERTIFICATION

- ▶ After successfully completing the exam, participants can apply for the credential of Certified ISO/IEC 17025 Provisional Implementer, Certified ISO/IEC 17025 Implementer or Certified ISO/IEC 17025 Lead Implementer, depending on their level of experience
- ▶ A certificate will be issued to participants who successfully pass the exam and comply with all the other requirements related to the selected credential:

Credential	Exam	Professional Experience	TCLA Audit Experience	TCLA Project Experience	Other Requirements
ISO 17025 Provisional Implementer	ISO 17025 Lead Implementer Exam	None	None	None	Signing the PECB code of ethics
ISO 17025 Implementer	ISO 17025 Lead Implementer Exam	Two years One year of Testing and Calibration Laboratories work experience	None	Project activities totaling 200 hours	Signing the PECB code of ethics
ISO 17025 Lead Implementer	ISO 17025 Lead Implementer Exam	Five years Two years of Testing and Calibration Laboratories work experience	None	Project activities totaling 300 hours	Signing the PECB code of ethics

GENERAL INFORMATION

- ▶ Certification fees are included in the exam price
- ▶ Participant manual contains more than 450 pages of information and practical examples
- ▶ A participation certificate of 31 CPD (Continuing Professional Development) credits will be issued to participants
- ▶ In case of failure of the exam, participants are allowed to retake it for free under certain conditions