



PECB



PECB Certified ISO 13053 Lead Implementer

Master the implementation and management of Six Sigma Processes based on ISO 13053

Why should you attend?

ISO 13053 Lead Implementer training enables you to develop the necessary expertise to improve an organization's processes through the DMAIC (Define, Measure, Analyze, Improve and Control) methodology. During this training course, you will also gain a thorough understanding of the best practices of Six Sigma and be able to effectively apply them in an organization in order to improve its process performance, productivity, and customer satisfaction.

After mastering all the necessary concepts of the Six Sigma methodology, you can sit for the exam and apply for a "PECB Certified ISO 13053 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 improve processes based on ISO 13053.



Who should attend?

- Managers or consultants involved with and committed to process improvement
- Expert advisors seeking to master the implementation of Six Sigma processes or projects
- Individuals responsible for ensuring process improvement within an organization
- Six Sigma project team members

Course agenda

Duration: 5 days

Day 1 | Introduction to ISO 13053 and initiation of a Six Sigma project

- Course objective and structure
- Standard and regulatory framework
- Quantitative methods in process improvement (QMPI)
- Initiating Six Sigma implementation
- Analyzing the existing processes

Day 2 | Define and measure phases of Six Sigma projects

- Leadership and approval of the Six Sigma project
- Six Sigma infrastructure within an organization
- Training, awareness, and communication plan
- Six Sigma process mapping and tracking
- Creation of data collection plan
- Implementation of data collection plan

Day 3 | Analyze and improve phases of Six Sigma projects

- Data analysis
- Process analysis
- Root cause analysis
- Six Sigma project prioritization and selection
- Generating and selecting solutions
- Implementation of solutions

Day 4 | Control phase of Six Sigma projects and preparation for an assessment

- Monitoring, controlling, and evaluation
- Internal audit
- Management review
- Continual improvement
- Competence and evaluation of implementers
- Closing the training

Day 5 | Certification Exam



Learning objectives

- Acknowledge the correlation between ISO 13053, ISO 9001 and other standards and regulatory frameworks
- Master the concepts, approaches, methods and techniques used to improve processes within an organization
- Learn how to support an organization to effectively implement process improvement techniques
- Learn how to integrate DMAIC methodology during the implementation of a Six Sigma project

Examination

Duration: 3 hours

The "PECB Certified ISO 13053 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 the Six Sigma methodology
- Domain 2** | Six Sigma methodology
- Domain 3** | Six Sigma- Define phase based on ISO 13053
- Domain 4** | Six Sigma- Measure phase based on ISO 13053
- Domain 5** | Six Sigma- Analyze phase based on ISO 13053
- Domain 6** | Six Sigma- Improve and Control phase based on ISO 13053
- Domain 7** | Preparing for a Six Sigma assessment

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 13053 certifications and the PECB certification process, please refer to the [Certification Rules and Policies](#).

Credential	Exam	Professional experience	Six Sigma project experience	Other requirements
PECB Certified ISO 13053 Provisional Implementer	PECB Certified ISO 13053 Lead Implementer Exam or equivalent	None	None	Signing the PECB Code of Ethics
PECB Certified ISO 13053 Implementer	PECB Certified ISO 13053 Lead Implementer Exam or equivalent	Two years: One year of work experience with Six Sigma projects	Project activities: a total of 200 hours	Signing the PECB Code of Ethics
PECB Certified ISO 13053 Lead Implementer	PECB Certified ISO 13053 Lead Implementer Exam or equivalent	Five years: Two years of work experience with Six Sigma projects	Project activities: a total of 300 hours	Signing the PECB Code of Ethics
PECB Certified ISO 13053 Senior Lead Implementer	PECB Certified ISO 13053 Lead Implementer Exam or equivalent	Ten years: Seven years of work experience with Six Sigma projects	Project activities: a total of 1,000 hours	Signing the PECB Code of Ethics
PECB Certified ISO 13053 Master	ISO 13053 Lead Implementer + ISO 13053 Lead Auditor (4 additional foundation exams)	Fifteen years: Ten years of work experience with Six Sigma projects	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 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