



PECB CERTIFIED ISO 14001:2015 LEAD IMPLEMENTER

MASTERING THE IMPLEMENTATION AND MANAGEMENT OF AN ENVIRONMENTAL MANAGEMENT SYSTEM (EMS) BASED ON ISO 14001

SUMMARY

This five-day intensive course enables participants to develop the necessary expertise to support an organization in implementing and managing an Environmental Management System (EMS) based on ISO 14001:2015. Participants will also gain a thorough understanding of best practices used to implement environmental management processes that will address risks of environmental impacts and opportunities in environmental protection, and thus lead the organizations in achieving a balance between the environment, society and the economy - essentials for a sustainable development. Furthermore, this training is consistent with the project management practices established in ISO 10006 (Quality Management Systems - Guidelines for Quality Management in Projects) and also fully compatible with ISO 14004 (Environmental management systems-General guidelines on principles, systems and support techniques) and ISO 10012 (Measurement management systems-Requirements for measurement processes and measuring equipment).



WHO SHOULD ATTEND?

- ▶ Project managers or consultants wanting to prepare and to support an organization in the implementation of an Environmental Management System (EMS)
- ▶ ISO 14001 auditors who wish to fully understand the Environmental Management System implementation process
- ▶ Persons responsible for the Environmental conformity in an organization
- ▶ Members of an Environmental team
- ▶ Environmental expert advisors
- ▶ Technical experts wanting to prepare for an environmental function or for an EMS project management function

COURSE AGENDA

DURATION: 5 DAYS

Introduction to ISO 14001 and initiation of an EMS

- ▶ Course objective and structure
- ▶ Standard and regulatory framework
- ▶ Environmental Management System (EMS)
- ▶ Fundamental principles of environmental management
- ▶ Initiating the EMS implementation
- ▶ Understanding the organization and clarifying the environmental objectives
- ▶ Analysis of the existing management system

Plan the implementation of the EMS

- ▶ Leadership and approval of the EMS project
- ▶ EMS scope
- ▶ Policies for environmental management
- ▶ Identification of Environmental Aspects
- ▶ Risk assessment
- ▶ Definition of the organizational structure of Environmental Management

Deploying the EMS

- ▶ Definition of the document management process
- ▶ Design of controls and drafting of specific policies & procedures
- ▶ Communication plan
- ▶ Training and awareness plan
- ▶ Operations Management
- ▶ Emergency Preparedness and Response

EMS measurement, continuous improvement and preparation for certification audit

- ▶ Monitoring, measurement, analysis and evaluation
- ▶ Internal audit
- ▶ Management review
- ▶ Treatment of problems and non-conformities
- ▶ Continual improvement
- ▶ Preparing for the certification audit
- ▶ Competence and evaluation of implementers
- ▶ Closing the training

Certification Exam



LEARNING OBJECTIVES

- ▶ To understand the implementation of an Environmental Management System in accordance with ISO 14001
- ▶ To gain a comprehensive understanding of the concepts, approaches, standards, methods and techniques required for the effective management of an Environmental Management System based on ISO 14001
- ▶ To understand the relationship between the components of an Environmental Management System and compliance with the requirements of different stakeholders of the organization
- ▶ To gain the knowledge and skills in identifying the risks and opportunities associated with an organization
- ▶ To acquire the necessary expertise to support an organization in implementing, managing and maintaining an EMS as specified in ISO 14001
- ▶ To acquire the necessary expertise to manage a team implementing ISO 14001
- ▶ To develop the knowledge and skills required to advise organizations on best practices in the environmental management
- ▶ To improve the capacity for analysis and decision making in the context of environmental management

EXAMINATION

The “Certified ISO 14001 Lead Implementer” exam fully meets the requirements of the PECB Examination and Certification Programme (ECP). The exam covers the following competence domains:

1 Domain 1: Fundamental Principles and Concepts in Environmental Management

Main Objective: To ensure that the ISO 14001 Lead Implementer candidate can understand, interpret and illustrate the main Environmental Management concepts related to an Environmental Management System (EMS)

2 Domain 2: Environmental Management best Practice based on ISO 14001

Main Objective: To ensure that the ISO 14001 Lead Implementer candidate can understand, interpret and provide guidance on how to implement and manage Environmental Management requirements based on best practices of ISO 14001

3 Domain 3: Planning an EMS based on ISO 14001

Main Objective: To ensure that the ISO 14001 Lead Implementer candidate can plan the implementation of an EMS in preparation for an ISO 14001 certification

4 Domain 4: Implementing an EMS based on ISO 14001

Main Objective: To ensure that the ISO 14001 Lead Implementer candidate can implement the processes of an EMS required for an ISO 14001 certification

5 Domain 5: Performance Evaluation, Monitoring and Measurement of an EMS based on ISO 14001

Main Objective: To ensure that the ISO 14001 Lead Implementer candidate can evaluate, monitor and measure the performance of an EMS in the context of an ISO 14001 certification

6 Domain 6: Continual Improvement of an EMS based on ISO 14001

Main Objective: To ensure that the ISO 14001 Lead Implementer candidate can provide guidance on the continual improvement of an EMS in the context of ISO 14001

7 Domain 7: Preparation for an EMS Certification Audit

Main Objective: To ensure that the ISO 14001 Lead Implementer candidate can prepare and assist an organization for the certification of an EMS against the ISO 14001 standard

- ▶ The “Certified ISO 14001 Lead Implementer” exam is available in different languages (the complete list of languages can be found in the examination application form)
- ▶ Duration: 3 hours
- ▶ For more information about exam, refer to PECB section on ISO 14001 Lead Implementer Exam



CERTIFICATION

- ▶ 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	EMS Implementation Experience	Other Requirements
PECB Certified ISO 14001 Provisional Implementer	PECB Certified ISO 14001 Lead Implementer Exam	None	None	Signing the PECB code of ethics
PECB Certified ISO 14001 Implementer	PECB Certified ISO 14001 Lead Implementer Exam	Two years One year of EMS related work experience	EMS activities totaling 200 hours	Signing the PECB code of ethics
PECB Certified ISO 14001 Lead Implementer	PECB Certified ISO 14001 Lead Implementer Exam	Five years Two years of EMS related work experience	EMS activities totaling 300 hours	Signing the PECB code of ethics

GENERAL INFORMATION

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