



# PECB



## PECB CERTIFIED ISO/TS 29001 LEAD IMPLEMENTER

MASTERING THE IMPLEMENTATION AND MANAGEMENT OF QUALITY MANAGEMENT SYSTEM OF PETROLEUM, PETROCHEMICAL AND NATURAL GAS INDUSTRIES, SECTOR-SPECIFIC FOR PRODUCT AND SERVICE SUPPLY ORGANIZATIONS BASED ON ISO/TS 29001

### SUMMARY

This five-day intensive course enables the participants to develop the necessary expertise to support an organization in implementing and managing system of petroleum, petrochemical and natural gas industries, sector specific for product and service supply organizations based on ISO/TS 29001. Participants will gain knowledge on requirement for quality management systems in the exploitation and production sector of the petroleum and natural gas industry. Training for this technical specification is based on the management system model of continual improvement stressing defect prevention and the reduction of variation and waste in the supply chain and service providers. This way, oil and gas industry companies generally manufacturers of oil industry equipment and materials can increase their customer's satisfaction by applying this standard into their business model.



## WHO SHOULD ATTEND?

- ▶ Project managers or consultants wanting to prepare and to support an organization in the implementation of Quality Management System of oil and gas industry
- ▶ ISO/TS 29001 auditors who wish to fully understand the Quality Management System (QMS) implementation process
- ▶ Individuals responsible for the quality or conformity in an organization
- ▶ Members of quality team
- ▶ Oil and Gas equipment manufacturers
- ▶ Oil and Gas company personnel
- ▶ Buyers of equipment, materials or services in Oil and Gas industry
- ▶ Expert advisors in Quality Management Systems of oil and gas industry
- ▶ Technical experts wanting to prepare for quality function or for QMS project management function in oil and gas industry

## COURSE AGENDA

DURATION: 5 DAYS

### Introduction to Quality Management System of Petroleum, Petrochemical and Natural Gas Industries, Sector-Specific for product and service supply organizations as required by ISO/TS 29001

- ▶ Introduction to management systems and the process approach
- ▶ Fundamental principles of sector-specific quality
- ▶ Normative frameworks and methodologies related to Quality
- ▶ Presentation of the ISO/TS 29001 family standard
- ▶ Understanding the requirements of ISO/TS 29001 clause-by-clause

### Initiating a QMS of Oil and Gas for products and service project based on ISO/TS 29001

- ▶ Selection of the approach and implementation methodology
- ▶ Identification and analysis of customer needs and requirements
- ▶ Writing a business case and a project plan for the implementation of QMS of oil and gas industry
- ▶ Implementation of a document management framework
- ▶ Drafting QMS (quality manual, procedures, records)

### Implementing a QMS based on ISO/TS 29001

- ▶ Development of a training & awareness program and communicating about the Quality
- ▶ Resource management processes (human resources, infrastructure and work environment)
- ▶ Product realization processes
- ▶ Purchasing process
- ▶ Operations management of QMS

### Controlling, monitoring and measuring a QMS and the certification audit of a QMS in accordance with ISO/TS 29001

- ▶ Controlling and monitoring QMS
- ▶ Measurement of customer satisfaction
- ▶ ISO/TS 29001 internal audit
- ▶ Management review of QMS
- ▶ Implementation of a continual improvement program
- ▶ Preparing for ISO/TS 29001 certification audit

### Certification Exam



## LEARNING OBJECTIVES

- ▶ To understand the implementation of Quality Management System of oil and gas industry in accordance with ISO/TS 29001 and to be able to accomplish the requirements for product and service supply from implementation perspective
- ▶ To gain a comprehensive understanding of the concepts, approaches, standards, methods and techniques required for the effective management of a QMS in oil and gas industry
- ▶ To understand the relationship between the components of Quality Management System and the compliance with the requirements of different stakeholders of an organization
- ▶ To acquire necessary expertise to support an organization in implementing, managing and maintaining QMS of oil and gas as specified in ISO/TS 29001
- ▶ To acquire necessary expertise to manage a team implementing ISO/TS 29001
- ▶ To develop knowledge and skills required to advise organizations on best practices in the management of sector-specific quality
- ▶ To improve the capacity for analysis and decision making in the context of quality management
- ▶ To prepare an organization for ISO/TS 29001 audit

## EXAMINATION

The “PECB Certified ISO/TS 29001 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 Quality Management

Main Objective: To ensure that the ISO/TS 29001 Lead Implementer candidate can understand, interpret and illustrate the main Quality Management concepts related to a Petroleum, petrochemical and natural gas industries quality management systems (OGQMS)

### 2 Domain 2: Petroleum, petrochemical and natural gas industries quality management systems best practices based on ISO/TS 29001

Main Objective: To ensure that the ISO/TS 29001 Lead Implementer candidate can understand, interpret and provide guidance on how to implement and manage Quality Management requirements based on best practices of ISO/TS 29001

### 3 Domain 3: Planning an OGQMS based on ISO/TS 29001

Main Objective: To ensure that the ISO 29001 Lead Implementer candidate can plan the implementation of an OGQMS in preparation for an ISO/TS 29001 certification

### 4 Domain 4: Implementing an OGQMS based on ISO/TS 29001

Main Objective: To ensure that the ISO 29001 Lead Implementer candidate can implement the processes of an OGQMS required for an ISO/TS 29001 certification

### 5 Domain 5: Performance evaluation, monitoring and measurement of an OGQMS based on ISO/TS 29001

Main Objective: To ensure that the ISO/TS 29001 Lead Implementer candidate can evaluate, monitor and measure the performance of an OGQMS in the context of an ISO/TS 29001 certification

### 6 Domain 6: Continual improvement of an OGQMS based on ISO/TS 29001

Main Objective: To ensure that the ISO/TS 29001 Lead Implementer candidate can provide guidance on the Continual improvement of an OGQMS in the context of ISO/TS 29001

### 7 Domain 7: Preparation for an OGQMS certification audit

Main Objective: To ensure that the ISO/TS 29001 Lead Implementer candidate can prepare and assist an organization for the certification of an OGQMS against the ISO/TS 29001 standard

- ▶ The “PECB Certified ISO/TS 29001 Lead Implementer” exam is available in different languages, such as English, French, Spanish and Portuguese
- ▶ Duration: 3 hours
- ▶ For more information about the exam, please visit: [www.pecb.com](http://www.pecb.com)





## CERTIFICATION

- ▶ After successfully completing the exam, participants can apply for the credentials of PECB Certified ISO/TS 29001 Provisional Implementer, PECB Certified ISO/TS 29001 Implementer or PECB Certified ISO/TS 29001 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	OGQMS Audit Experience	OGQMS Project Experience	Other Requirements
<b>PECB ISO/TS 29001 Provisional Implementer</b>	PECB ISO/TS 29001 Lead Implementer Exam	None	None	None	Signing the PECB code of ethics
<b>PECB ISO/TS 29001 Implementer</b>	PECB ISO/TS 29001 Lead Implementer Exam	<b>Two years</b> One year of Oil and Gas Quality Management work experience	None	Project activities totaling 200 hours	Signing the PECB code of ethics
<b>PECB ISO/TS 29001 Lead Implementer</b>	PECB ISO/TS 29001 Lead Implementer Exam	<b>Five years</b> Two years of Oil and Gas Quality Management 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 over 450 pages of information and practical examples
- ▶ A participation certificate of 31 CPD (Continuing Professional Development) credits will be issued to the participants
- ▶ In case of failure of the exam, participants are allowed to retake it for free under certain conditions