ISO 14001 Environmental Management System (EMS)

Introduction

Whether you're developing or formalizing your environmental management system (EMS), ISO 14001 certification can deliver more than regulatory compliance and the ability to meet supplier requirements. ISO 14001 helps businesses of all sizes across all sectors make their day to day operations more sustainable. Sustainability can ultimately save money, improve brand reputation, engage employees and build resilience against uncertainty as well as the ability to rapidly adapt to change. ISO 14001 standard provides guidance on how to consider multiple aspects of your business procurement, storage, distribution, product development, manufacturing, etc. so that it reduces its impact on the environment. It also drives you to evaluate how you manage emergency response, customer expectations, stakeholders and your relationships with your local community. Depending on how your organization operates today, this may not require a lot of change beyond documenting what and how you do or it may mean a number of changes that can result in a more efficient business, cost or waste reductions and give stakeholders peace of mind.

Who Should Attend?

Managers, Team Leaders, Line Managers, Superintendents, OE Champions, Quality and Project Managers, Supervisors, Executives, Internal and External Auditors, Members of IT Team, Health & Safety Managers, Risk Managers, Business Process Owners, Business Finance Managers, Business Risk Managers, Regulatory Compliance Managers, Project Managers, Continuity, Risk, Quality, IT and Environmental Managers, Anyone involved in the system development, implementation and maintenance, Regulatory Affairs Managers, Consultants, Anyone involved in implementing an EMS implementation and maintenance, Professionals wanting to gain a comprehensive knowledge of the main processes of an Environmental Management System (EMS), Staff involved in the implementation of the ISO 14001 standard, Expert advisors in Environmental Management Systems, Managers responsible for implementing an EMS

An environmental management system (EMS) is a set of processes and practices that enable an organization to reduce its environmental impacts and increase its operating efficiency. This course is designed to provide delegates with a sound knowledge of all elements involved in implementing an environmental management system (EMS) using the standard. This course will identify the structure and requirements of an effective environmental management system and what this means to you. Gain a thorough understanding of the history and development of ISO 14001:2015, key terms, definitions and the ISO standardized high level structure. You'll learn to interpret and apply the key concepts and principles of the standard to existing processes within your organization. The course will feature:

•The importance and benefits of an ISO 14001:2015 EMS

•Key requirements, terms and definitions of ISO 14001:2015

•Structure of ISO 14001:2015 which incorporates the Annex SL common framework for management system standards

•Main concepts such as process approach, Plan-Do-Check-Act, lifecycle perspective, aspects and impacts

•Acquire the expertise to perform an ISO 14001 internal audit following ISO 19011 guidelines

•Acquire the expertise to perform an ISO14001 certification audit following ISO 19011 guidelines and ISO 17021 specifications

•Acquire the necessary expertise to manage an EMS audit team

•Understand the operation of an ISO 14001 conformant environmental management System

•Understand the relationship between an environmental management system controls and compliance with the requirements of different stakeholders of the organization

•Improve the ability to analyze the internal and external environmental management of an organization and audit decision-making in the context of an EMS

Course Objectives:

By the end of this course, delegates will be able to:

- Understand the fundamentals of environmental management
- Know the interrelationships between ISO 14001 and the other ISO management systems
- Know the key components of an environmental management system (EMS) in accordance with ISO14001
- Introduce the concepts, approaches, standards, methods and techniques allowing to effectively manage an EMS
- Understand the relationship between an environmental management system and compliance with the requirements of different stakeholders of the organization
- Understand the stages of the ISO14001 certification process
- Identify the objectives and benefits of an EMS and the requirements of the standard
- Learn how to assess an organization's current state with regards to an EMS
- Be familiar with performing a gap analysis to meet EMS standards
- Plan, develop and implement an EMS appropriate to your organization
- Identify environmental aspects and impacts relevant to your organization with the emphasis on improvement
- Identify the key requirements and benefits of ISO 14001:2015
- Manage environmental risk and drive continual improvement
- Address concerns that feed directly into your corporate responsibility
- Demonstrate environmental commitment to clients, regulators and the public

Course Outline

- Introduction to environmental management system (EMS)
- Introduction to the ISO 14000 family of standards

- Introduction to management systems and the process approach
- General requirements: presentation of the clauses 4 to 4.6 of the ISO 14001 standard
- Implementation phases of the ISO 14001 framework
- Continual improvement of environmental management system
- Conducting an ISO 14001 certification audit
- Review of environmental legislation
- Codes of EMS practice
- The benefits of an EMS based on ISO 14001
- Identification of environmental aspects and impacts, risk evaluation
- Defining an environmental policy
- Establishing policy and setting objectives and targets
- The principles underpinning the ISO 14001 standard
- ISO 14001 standards for commitments to pollution prevention
- Planning the EMS implementation
- Audit principles, preparation and launching of an audit
- Fundamental audit concepts and principles
- Audit approach based on evidence and risk
- Initiating the audit
- Timescales and resources
- Gaining management commitment
- Environmental performance measures
- Documentation, monitoring and auditing for improvement
- How to integrate ISO 14001 with other management systems
- How to develop policy, objectives & targets and an environmental management program
- The issues related to effective implementation of an environmental management system
- How to manage an audit program
- Continual improvement and legal and other compliance
- Accreditation and certification activities
- Sources of information and further development