ISO14001:2015 EMS Introductory & Awareness
(PUBLIC/IN-HOUSE TRAINING PROGRAMME)

Element	Key Changes
Environmental Aspects and Impacts	Essentially little change in intent and wording. Requirement to take into account 'abnormal and emergency conditions taken from Annex A and added to body of standard.
Lifecycle Perspective	Environmental aspects and impacts will need to be identified, taking into consideration a life cycle perspective.
Organisational Risks and Opportunities	New section added for determining significant aspects and organisational risks and opportunities. First time the word risk has appeared in ISO 14001.
Criteria for Assessment	New requirement to have documented criteria for determining significant aspects and organisational risks and opportunities, which takes into account various factors.
Value Chain Control	New section on value chain control (alongside operational planning and control), which explains the requirement for control or influence to include outsourced process along the value chain.

SBL Scheme

INTRODUCTION

The international ISO 14001 standard for environmental management has been undergoing revision since early 2012. The newly revised version, expected to go into effect in 2015, will permanently replace the current version from 2004 as well as the 2009 corrections. This has the approximately 230,000 companies worldwide certified according to the current requirements of the most popular environmental standard wondering what changes have been made and what they will need to consider to receive certification under the revised format.

The September 2015 final and official International Standard (IS) ISO14001:2015 is currently available. The structure of ISO 14001 has been majorly modified to follow the Annex SL of the ISO Directives, so-called "high level structure (HLS)" in order to ensure identical structures for all management systems as well as the consistent use of core texts and terms. This will make the standards more comprehensible and combined certifications more efficient.

This introductory and awareness training provides guidance for the transition from ISO 14001:2004 to ISO14001:2015. It identifies activities which should be considered by relevant interested parties and to increase understanding of the context of ISO14001:2015.

The main changes in the new version of ISO 14001:2015 are:

- the adoption of the HLS as set out in Annex SL of ISO Directives Part One,
- an explicit requirement for risk-based thinking to support and improve the understanding and application of the process approach, looking into processes risks and opportunities,
- increased emphasis on organizational context,
- identification of Environmental Aspects and Impacts more from Life Cycle perspective
- addition of the value chain control into the newly revised standard.
- increased leadership requirements,

ISO/CD 9001:2015

ISO/CD 14001:2015

LEARNING OUTCOMES / OBJECTIVES

> **Also available as
> in-house programme**

Upon return to workplace, participants will be able to :

● acquire an in-depth understanding of the development of ISO14001:2015 EMS,

● clearly distinguish the major differences between ISO14001:2004 versus ISO14001:2015,

● understand the major reformatting of the ISO/DIS14001:2015, its structure and terminology,

● emphasis on Risk Management through Risk Based Thinking (RBT) process,

● identify organizational gaps which need to be addressed to meet new requirements,

● develop an implementation plan,

● provide appropriate training and awareness for all parties that have an impact on the effectiveness of the organisation,

● update existing quality management system (EMS) to meet the revised requirements and provide verification of effectiveness,

● where applicable, liaise with certification body (CB) for transition arrangements.

CONTENTS

DAY 1

● **Fundamental of ISO14001:2015 EMS**
   - roles of ISO TC207/SC1/WG5
   - its development process
   - transition timeline

● **Major reformatting and differences**
   - adoption of the High Level Structure (HLS) as set out in Annex SL of ISO Directives Part One
   - changes in standard structure and terminology:
      o Leadership replacing Management responsibility
      o Goods and services replacing Products
      o Documented information replacing "Document" and "Record"
      o Removing of Preventive Action

- **Environmental Policy - To include the organizational commitments to protect environment and improve environmental performance including outsourcing processes**

- **Identification of Environmental Aspects and Impacts based on Life Cycle Thinking (LCT)**

- **Identification of gap and develop an appropriate implementation plan**

- **Updating and revising the existing EMS to meet new requirements**

- **Provide necessary awareness training to all involved parties**

- **Liaison with Certification Body (CB) for transition changes and arrangements**

TRAINING METHODOLOGY

The program would be conducted by using the following materials / aids:-

- Course Note
- LCD / OHP
- Group Activities / Workshop
- Lecturettes

DURATION
One Day (1 Day)

PARTICIPANTS

This programme is designed for top and middle levels of management such as EMR, Managers, Head of Departments (HODs) and Executives who are involved in developing, maintaining and improving the organization environmental management systems, ensuring the effective and efficient implementation.

ISO 14001 Environmental Management Systems			
2004		**2015**	
0.	Introduction	0.	Introduction
1.	Scope	1.	Scope
2.	Normative references	2.	Normative references
3.	Terms and definitions	3.	Terms and definitions
4.	Environmental Management Systems	4.	Context of the organization
		4.1	Understanding the organization and its context
		4.2	Understanding the needs and expectations of the interested parties
4.1	General requirements	4.3	Determining the scope of the Environmental Management Systems
		4.4	Environmental Management Systems
		10.2	Continual improvement
4.2	Environmental policy	5.2	Environmental policy
4.3	Planning	6.	Planning
		6.1	Actions to address the risks and opportunities
		6.1.1	General
4.3.1	Environmental aspects	6.1.2	Identification of environmental hazards
		6.1.4	Determining significant environmental aspects and organizational risks and opportunities
4.3.2	Legal and other requirements	6.1.3	Determination of compliance obligations
4.3.3	Objectives, targets and programme(s)	6.2	Environmental objectives and planning to achieve them
		6.2.1	Environmental objectives
		6.2.2	Planning to achieve objectives
4.4	Implementation and operation (title only)	7.	Support (title only)
		8.	Operation (title only)
		5.	Leadership (title only)

ISO 14001 Environmental Management Systems			
2004		**2015**	
4.4.1	Resources, roles, responsibilities and authority	7.1	Resources
		5.3	Organizational roles, responsibilities and authorities
		5.1	Leadership and commitment
4.4.2	Competence, training and awareness	7.2	Competence
		7.3	Awareness
4.4.3	Communication	7.4	Communication (title only)
		7.4.1	General
		7.4.2	Internal comunication
		7.4.3	External communication and reporting
4.4.4	Documentation	7.5	Documented information (title only)
		7.5.1	General
4.4.5	Control of documentation	7.5.2	Creating and updating
		7.5.3	Control of documented information
4.4.6	Operational control	8.1	Operational planning and control
		8.2	Value chain control
4.4.7	Emergency preparedness and response	8.3	Emergency preparedness and response
4.5	Checking (title only)	9.0	Performance evaluation (title only)
4.5.1	Monitoring and measurement	9.1	Monitoring, measurement, analysis and improvement (title only)
		9.1.1	General
4.5.2	Evaluation of compliance	9.1.2	Evaluation of compliance
4.5.3	Nonconformity, corrective action and preventive action	10.1	Nonconformity and corrective action
4.5.4	Control of records	7.5.3	Control of documented information
4.5.5	Internal audit	9.2	Internal audit
4.6	Management review	9.3	Management review
		10.	Improvement (title only)