Introduction to ISO 14001:2015

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Welcome

ارحلا بك

தமிழ்

خوش آمدید

تاتار

آپنے سْوٗاگت آہدے

Marathi

स्वागत

Hindi

آپنے سْوٗاگت ہے

Gujarati
Webinar Content

▶ Introduction to ISO
▶ Need of Environment Management System Standards
▶ Evolution of ISO 14001
▶ New Structure- High Level Structure
▶ New Concepts
  ▶ Context of the Organization
  ▶ Leadership Commitment
  ▶ Risk and Opportunities
  ▶ Life Cycle Perspective
▶ Other Changes
▶ Opportunities for HSE Professionals
▶ Opportunities for ISO 14001 Auditors
  ▶ Internal
  ▶ External
Introduction to ISO

Past

The conference of the national standards bodies at which it was decided to establish ISO took place at the Institute of Civil Engineers in London from 14 to 26 October 1946. Twenty-five countries were represented by 65 delegates.

Future: Strategy 2016-2020
Past

- ISO was first established in 1947 with 67 Technical Committees

- International Federation of the National Standardizing Associations (ISA), New York, 1926, administered from Switzerland
  
  + United Nations Standards Coordinating Committee (UNSCC), London, 1944

- Purpose: To create a new global international standardizing body, more details on book, “Friendship Among Equals”

Past

- Gained Maximum Popularity in 1987 with
  - ISO 9001: Quality Management Systems-Requirements

Other Management System standards include:

- ISO 14001: Environmental Management Systems-Requirements with Guidance for US
- ISO 27001 Information Technology- Information Security- Information Security Management System
Present

- Current Release Coincided with Conference of Parties at Paris in September 2015

- Aligned itself with Sustainable Development Goals

- First time, ISO 9001 and ISO 14001 were aligned. Final round of discussion of ISO happened in New Delhi

- ISO 9001 also gives reference to Sustainable Development. Hence, this is not just an Environmental Issue
ISO 14001 in ASSE Global Chapter Countries

- **India**  
  Around 7000 (Increasing)

- **UAE**  
  Around 1500 (Increasing)

- **Egypt**  
  Around 850 (Increasing)

- **Kuwait**  
  Around 75 (Decreasing since 2012 when it reached 100)

- **Nigeria**  
  Around 60 (Increasing)

- **Saudi Arabia**  
  Around 300 (Decreasing)

- **Pakistan**  
  Around 320 (Increasing)

- **Philippines**  
  Around 440 (Decreasing)
Need for Environmental Management System Standards

- Post Bhopal Gas Tragedy in 1986
- Brundtland Conference in 1987 defining Sustainability in “Our Common Future”
- Response to Post Rio de Janeiro Earth Summit in 1992
Benefits of Environment Management System

- Moved Environment to a Board Room Discussion
- Improved Levels of Compliance
- Enhanced Resource Efficiency
- Natural Resource Conservation
Evolution of ISO 14001

ISO 14001:1996

ISO 14001:2004

ISO 14001:2015
Launch of ISO 14001:2015

Date of Publication
15 September 2015
Transition Plan for ISO 14001:2015

- July 2014
  - ISO 14001:2015 DIS Published in English
- Aug/Sept 2014
  - DIS Published for comment (post translation)
- December 2014
  - Results of DIS vote
- March - July 2015
  - Proposed FDIS publication
- September 2015
  - Proposed ISO 14001:2015 publication
- Proposed Transition Period
  - 3 years from standard publication
High Level Structure (HLS)

1. Scope
2. Normative references
3. Terms and definition
4. Context of organization
5. Leadership

6. Planning
7. Support
8. Operations
9. Performance Evaluation
10. Improvement
How to Implement HLS

- Change required in Documentation Structure in Manual
New Requirement-Context

- Determine external and internal issues that are relevant to its purpose and that affect its ability (Clause 4.1 of ISO 14001:2015)
Context of the Organization

- External Issues
  - Political
  - Legal
  - Economic
  - Social

- Internal Issues
  - Vision
  - Mission
  - Merger & Acquisition
  - Change in Management Controls
How to Implement

- Develop formal processes to receive inputs on External Issues and Internal Issues (Clause 4.1 of ISO 14001:2015)

- Evaluate their Risks and Opportunities (Clause 6.1 of ISO 14001:2015)

- Discuss in Management Review (Clause 9.2 of ISO 14001:2015)
Concept of Interested Parties

- **Customers**
  - Customer satisfaction survey
  - VOC system
  - Customer service center
  - CWR system, customer management
  - Customer feedback
  - Customer mentor policy

- **Shareholders**
  - Regular shareholders’ meeting
  - IR activities
  - Conference calls
  - Annual Report

- **Communication channels**
  - Financial results, Brand value
  - Work and life balance, Training and self-development opportunities, Recognition and rewards

- **Solutions to customer grievances**
  - Product quality and safety
  - Customer safety
  - Privacy protection

- **Environmentally friendly management**
  - CSR
  - Economic contribution

- **Contribution to local communities**
  - Creating jobs
  - Community activities

- **Local companies**
  - CSR activities
  - Environmental value management
  - Community activities report

- **Suppliers**
  - Supplier satisfaction survey, supplier convention
  - CEO-supplier meetings, staff workshop
  - “Open Notes” with colleagues

- **Employees**
  - Employee satisfaction survey
  - “Nanoomjari” counseling center
  - CEO-employee meeting, Intranet idea system, company newsletter
  - Labor-management conference

- **Government**
  - Participation in government meetings
  - MOU with various departments

- Additional notes:
  - 10 June 2016
Change

- Only Respond to Concerns of External Interested Parties (Clause 4.4.3 of ISO 14001:2004)

- Determine relevant needs and expectations (i.e. requirements) of these interested parties (Clause 4.2 of ISO 14001:2015)
Leadership Commitment

- Accountability for the effectiveness of the environmental management system (Clause 5.1 of ISO 14001:2015)

- No term, “Management Representative”

- Drawn from other standards like Responsible Care Programs
Leadership vs Top Management

- Top Management
  - Executive Level

- Leadership
  - All Levels
  - Directly linked to Risk Based Thinking
Risk and Opportunities

- **Risk:** effect of uncertainty (Clause 3.2.10 of ISO 14001:2015)

- **Risks and Opportunities:** Potential adverse effects (threats) and potential beneficial effects (opportunities). (Clause 3.2.11 of ISO 14001:2015)
How to Implement

- Determine the risks and opportunities, related to its environmental aspects (Clause 6.1.1 of ISO 14001:2015)

- Maintain documented information of its risks and opportunities that need to be addressed (Clause 6.1.1 of ISO 14001:2015)
Life Cycle Perspective

- **Definition (Clause 3.3.3 of ISO 14001:2015)**
  - Life Cycle: Consecutive and interlinked stages of a product (or service) system, from raw material acquisition or generation from natural resources to final disposal.
  - *Note 1 to entry: The life cycle stages include acquisition of raw materials, design, production, transportation/delivery, use, end-of-life treatment and final disposal.*
How to Implement

- Determine Environmental Aspects while considering Life Cycle Perspective (Clause 6.1, Environmental Aspects)
- Establish controls, as appropriate, in the design and development process for the product or service, considering each life cycle stage (Clause 8.1, Operational Planning and Control)
- Determine its environmental requirement(s) for the procurement of products and services (Clause 8.1, Operational Planning and Control)
How to Implement

 Communicate it's relevant environmental requirement(s) to external providers, including contractors (Clause 8.1)

 Consider the need to provide information about potential significant environmental impacts associated with the transportation or delivery, use, end-of-life treatment and final disposal of its products and services (Clause 8.1)
Other Changes

- No term “Management Representative” in the standard

- No term, “Procedure” or “Record”

- New term, “Documented Information” to replace the above

- No term, “Preventive Actions”
Opportunities for HSE Professionals

- Learn about new Concepts
  - Risk Assessment
  - Life Cycle Perspective
  - Leadership
Opportunities for ISO 14001 Auditors

- Learn about new Concepts
- Refresh their Knowledge
- Train their Co-Auditors and Auditees
- Learn new Techniques for Audits
Lead Auditors Transition

- For those working with or for Certification Bodies, each certification body have their own procedure.

- Generally, only transition course of one or two days is adequate covering presentation on changes and Core Concepts that we discussed.
For further Information, please feel free to contact

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