



TRANSFORMING THE WORLD TO SUSTAINABILITY

The Revised ISO 14001

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Overview

1. Introduction and Overview
2. International Standard ISO 14001:2015
 - Main content & Key changes
3. Key issues & potential implications
4. Timetable for publication and transition for accredited certification
5. Questions and comment

Changes

1. New structure – significant change
2. Scope framed as “the environmental pillar of sustainability”
3. Terms and definitions (grouped around themes)
 - Risks and opportunities
 - Top management
 - Compliance obligation (or “legal requirements and other requirements” – admitted term)
 - Environmental condition
 - Environmental performance
 - Life cycle
 - Competence
 - Outsource

Key Issues.....continued

4. Strategic context (4.1 and 4.2)

- i. Internal & external issues that will affect outcomes of the EMS (4.1):
 - Not limited to solely to environmental factors (e.g. can include economic, regulatory, technological)
 - Impact of the organisation on the environment
 - Impact of the environment on the organisation
- ii. Needs and expectations of interested parties (4.2)
 - Can include customers, regulators, shareholders, investors, + internal (e.g. marketing, finance)
 - Determine which become compliance obligations (“legal requirements that an organisation has to comply with and other requirements that an organisation has to or chooses to comply with”)

Key Issues.....continued

5. Organisation sets the scope of its EMS (4.3) and determines how it will implement the requirements (4.4)

- Must consider strategic context, compliance obligations, organisational functions & physical boundaries, activities/products/services, & ability to exercise control/influence when setting scope
- No exclusions
- Scope must be publicly available
- Organisation retains autonomy on how requirements are fulfilled

Key Issues.....continued

6. New requirements on leadership & top management (5.1)

- Take accountability for the effectiveness for the EMS
- Ensure integration of EMS into business processes
- Ensure alignment of environmental policy & objectives with the overall strategic direction and context of the organisation

Although responsibility for achieving certain activities can be delegated, accountability for ensuring they are achieved can't be.

Key Issues.....continued

7. Policy Commitments (5.2)

- Commitment to continual improvement to enhance environmental performance & to fulfil compliance obligations
- Broadened from prevention of pollution to “protection of the environment”
- Must also include commitments specific to the organisation's context, can include:
 - i. sustainable resource use
 - ii. climate change mitigation and adaptation
 - iii. protection of biodiversity and ecosystems

Key Issues.....continued

8. Actions to address risks and opportunities (6.1)

Risks and opportunities are defined and used throughout the standard as a combined term, with the following definition:

“potential adverse effects (threats) and potential beneficial effects (opportunities)”

Risks and opportunities relate to the organisation and the environment.

Key Issues.....continued

8. Actions to address risks and opportunities (6.1)

Determine risks and opportunities related to:

- environmental aspects
- compliance obligations
- other issues relating to the organisation's context

That need to be addressed to:

- Give assurance that the EMS can achieve intended outcomes
- Prevent or reduce undesired effects, including the potential for external environmental conditions to affect the organisation
- Achieve continual improvement

Key Issues.....continued

8. Actions to address risks and opportunities (6.1)...continued

- Determine environmental aspects and impacts, that you can control and influence, considering a life-cycle perspective
- Determine those that are significant
- Identify compliance obligations and determine how they apply to the organisation

Plan action to address:

- significant environmental aspects
- compliance obligations
- risks and opportunities

Key Issues.....continued

9. Environmental objectives (6.2)

- Establish environmental objectives
- Determine indicators for monitoring progress to achieving objectives

10. Competence (7.2) and Awareness (7.3)

- Determine and ensure competence of people working under organisation's control that can affect environmental performance and ability to fulfil compliance obligations
- Determine training needs & take appropriate action
- Ensure awareness of environmental policy, relevant significant aspects & impacts, implications of not conforming with EMS or fulfilling compliance obligations

Key Issues.....continued

11.Communication (7.4)

- Enhanced requirements relating to planning internal and external communication, including those relating to compliance obligations
- “ensure that environmental information communicated is consistent with information generated within the EMS, and is **reliable**”

Key Issues.....continued

12.Operational Planning & Control (8.1)

Establish and implement operational control

Put in place, as appropriate, controls to ensure environmental requirements are addressed

- In the design and development process for products/services, considering each life cycle stage
- For the procurement of products and services
- Communicate relevant environmental requirement(s)
- Consider the need to provide information about potential significant environmental impacts in forward-life cycle stages (e.g. use and end-of-life treatment)

Key Issues.....continued

13. Evaluation of Compliance (9.1.2)

- Determine frequency of compliance evaluation
- Evaluate compliance & take action if needed
- Maintain knowledge and understanding of compliance status

14. Management Review (9.3)

- Review performance, & changes in context
- Decisions on EMS effectiveness, improvement & integration opportunities, & any implications for organisational strategy

15. Continual improvement (10)

- Focus on enhancing environmental performance

Revision Timetable

- Published as an International and European Standard on 15th September 2015
- International Accreditation Forum has set a 3 year period for transitioning to ISO 14001:2015:
 - Deadline is 14th September 2018
 - Must have implemented all of the changes, closed out all non-conformities, and been issued with a new certificate
 - Any certifications to ISO 14001:2004 issued during the transition period will have an expiry date of 14th September 2018 (i.e. a duration of less than 3 years)

Key Issues for users

The following are key issues that users are likely to face

1. How to interpret the new requirements
 - Those making changes to existing systems
 - Internal & external auditors
2. How to get more business value out of your system and align with business drivers
3. Competence and capability (internally, external auditors)
4. Implementing the new standard from scratch – including for smaller organisations
5. Life-cycle perspective – across the value-chain (suppliers, procurement, design, end-of-life)
6. Managing the interface between the organisation & environment, including how to respond to changing environmental conditions
7. Integration of environmental management into core organisational processes and strategic decision making



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THANK YOU!

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