

NEW EDITION

The New Version of ISO 14001:2015

September 2015



The new edition of the standard....

ISO14001:2015: Environmental management systems –
Requirements with guidance for use

The Contents of ISO 14001:2015

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*** The new requirements are marked with blue color**

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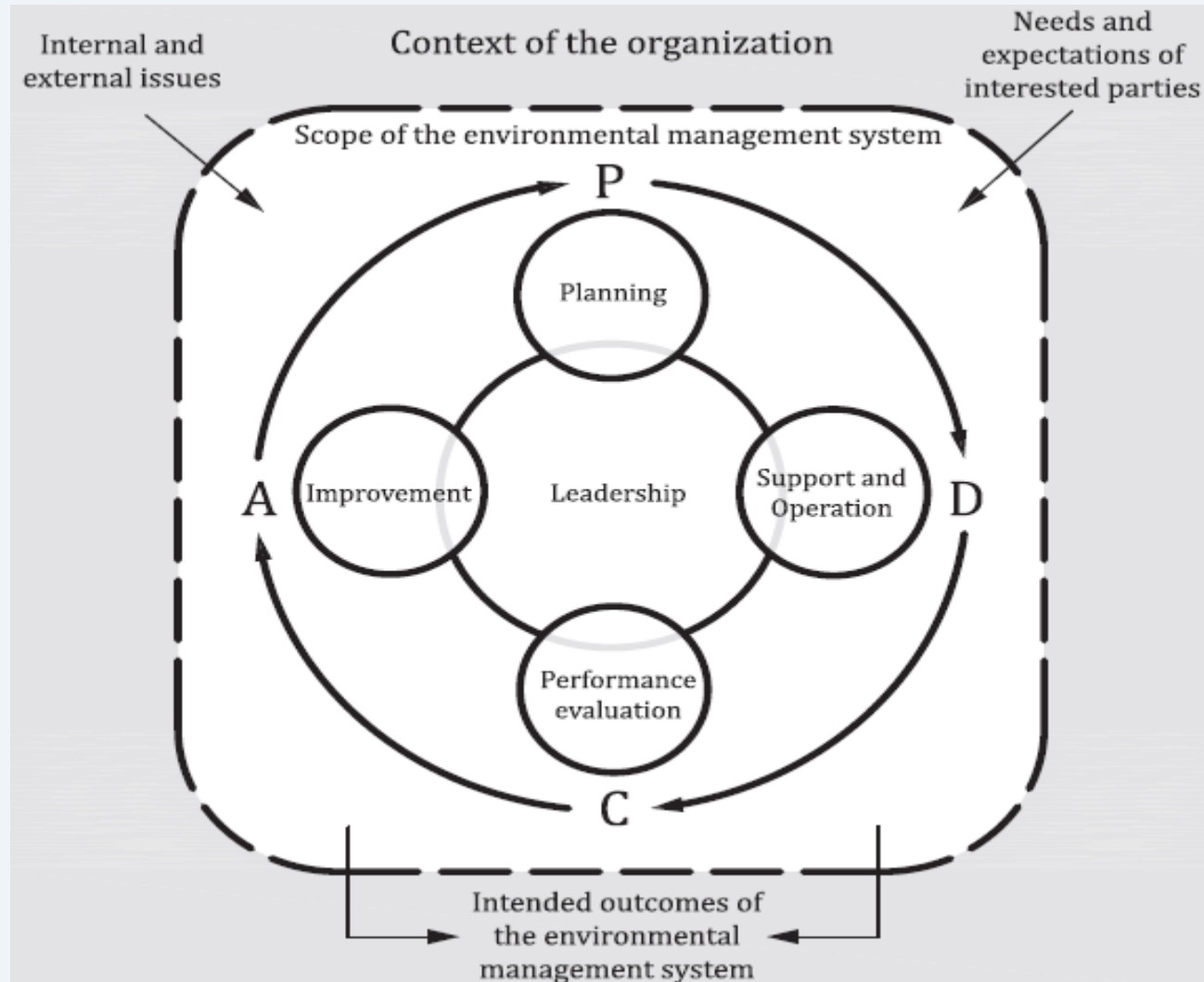
10.1. General

10.1. Nonconformity and corrective action

10.2. Continual improvement

The changes of the new edition of the standard ISO14001:2015

This slide shows a layout of the context of the organization which is used the widely known **plan, do, check, act** methodology.



Basic Principles behind the changes

1. Greater expectations from top management to understand the environmental aspects of the organization, support the EMS and improve its performance
2. Wider strategic concept of the environmental context of the organization, including expectations of interested parties and the direction of the enterprise
3. Specific commitments to sustainability and social responsibility
4. Expansion of environmental impact in the supply chain
5. Exploiting the opportunities for the use of environmental planning as a tool for improvement
6. Ability to demonstrate the environmental legal compliance of the organization on an ongoing basis
7. Use of improvement indicators for monitoring improvement



ISO14001:2015 - What's new.....

The new Standard :

- Adopts high level structure and terminology of Annex SL, a uniform guidance used for the development of all new ISO Standards.

**ISO/IEC Directives, Part 1 and Consolidated ISO Supplement — Procedures specific to ISO, 3rd edition, Annex SL*

- It has been redrafted in order to increase clarity and accessibility, reducing misinterpretation.
- Introduces new definitions such as: value chain, risk, compliance obligation, life cycle, etc.



ISO 14001:2015 - What's new.....

- Introduces two new paragraphs that concern the context of the organization:

4.1. Understanding the organization and its context

4.2. Understanding the needs and expectations of interested parties



The organization is now required to identify:

- Internal and external issues
- Requirements that may affect the design of the management system
- The needs and expectations of the interested parties

ISO 14001:2015 - What's new.....

- Adopts a clearer **process approach** for the implementation of a management system, as defined in 4.4. Top management shall identify quantitative data, indicators and targets for each process, as a part of its strategic and business planning.

Thus, requirements for environmental performance are required to be more specific and quantitative:

(6.2.1) *“The environmental objectives shall:...*
b) be measurable (if practicable)”

(9.1.1) *“The organization shall determine: -what needs to be monitored and measured...”*



For this purpose the use of the Standard:

-ISO 14031- Environmental performance evaluation, is recommended ([A.6.2.1](#))

ISO 14001:2015 - What's new.....

- As a result to the environmental policy (5.2), **commitment** is now required, not only to reduce environmental impact, but also **to manage other aspects regarding environmental protection within the framework of the organization** (including the needs and expectations of interested parties).

For example: Sustainable resources use, climate change mitigation, protection of biodiversity and ecosystems



ISO14001:2015 - What's new.....

- Introduced a new paragraph for Risk:
 - 6.1 “Actions to address risks and opportunities” thus, it now required:
 - ✓ To determine, **risks associated with threats and opportunities** (as may arise from environmental aspects, compliance requirements, etc)
 - ✓ **Prevent or reduce undesired effects**, which prevent the organization to achieve its environmental objectives, including its potential environmental impacts.



ISO 14001:2015 - What's new.....

- To determine the environmental **objectives and targets** of the organization (6.2.1), it is now required:
 - ✓ To take into account, not only the internal, but **also the external criteria**.
 - ✓ To take into account the identifiable **threats and opportunities**.



ISO 14001:2015 - What's new.....

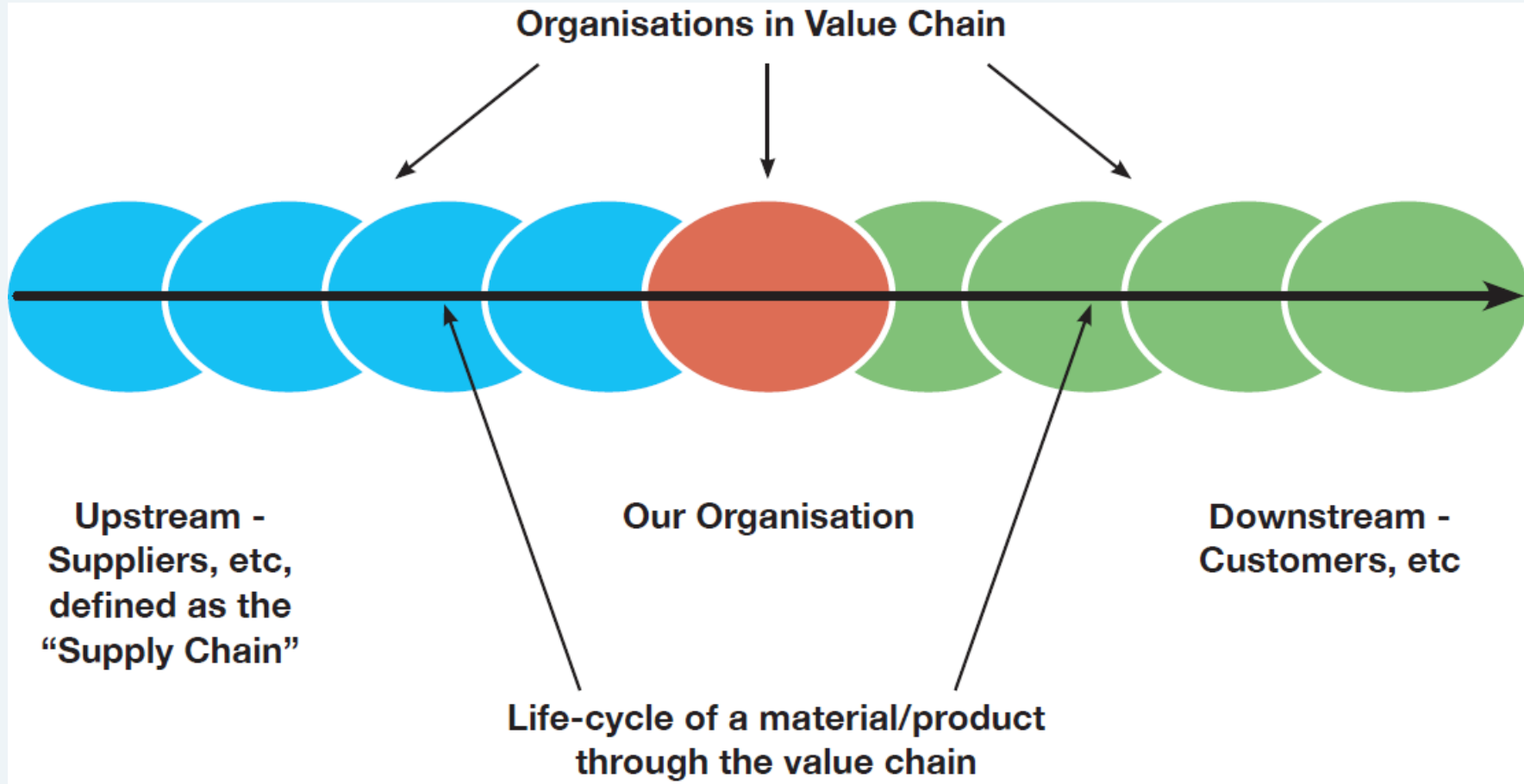
- Introduces a new concept based on the life cycle.

The standard now requires the new concept to be a key aspect of an organization in:

- ✓ The evaluation of environmental aspects and their impacts (6.1.2)
- ✓ The design of products and services (8.1)
- ✓ The supply of products and services (8.1)
- ✓ Communication with external suppliers and contractors in relation to the environmental requirements (8.1)
- ✓ Providing information on the potential significant environmental impacts associated with transportation or delivery, use, processing and disposal of products and services at the end of their life cycle (8.1)



Value chain and Life Cycle



ISO 14001:2015 - What's new.....

- It does not contain a specific paragraph on preventive actions, but only corrective actions (paragraph 10.1). ISO Organization justifies such a decision on the basis that prevention is the basic principle of the quality management system as a whole.



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Thank you for your attention