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Responsible committee: SES/1/1 Environmental management systems

Interested committees:

Title: Draft BS ENISO 14001 Enviromental management systems - Requirements with guidance for use

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard
i) has any issues related to 3rd party IPR, patent or copyright
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iii) requires additional national guidance or information

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THIS DRAFT IS NOT CURRENT BEYOND 31 October 2014

This draft is issued to allow comment from interested parties; all comments will be given consideration prior to publication. No acknowledgement will normally be sent. **See overleaf for information on the submission of comments.**

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Introduction

This draft standard is based on international discussions in which the UK has taken an active part. Your comments on this draft are invited and will assist in the preparation of the consequent standard. Comments submitted will be reviewed by the relevant BSI committee before sending the consensus UK vote and comments to the international secretariat, which will then decide appropriate action on the draft and the comments received.

If the international standard is approved, it is possible the text will be published as an identical British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with reasons) or positive vote on this draft.

Submission of Comments

- The guidance given below is intended to ensure that all comments receive efficient and appropriate attention by the responsible BSI committee. **Annotated drafts are not acceptable and will be rejected.**

- All comments must be submitted, preferably electronically, to the Responsible Committee Secretary at the address given on the front cover. Comments should be compatible with version 6.0 or version 97 of Microsoft Word for Windows, if possible; otherwise comments in ASCII text format are acceptable. **Any comments not submitted electronically should still adhere to these format requirements.**

- All comments submitted should be presented as given in the example below. Further information on submitting comments and how to obtain a blank electronic version of a comment form are available from the BSI website at: **http://drafts.bsigroup.com/**

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: **ISO/DIS xxxx**

1	2	(3)	4	5	(6)	(7)
MB	**Clause No./ Subclause No./Annex (e.g. 3.1)**	**Paragraph/ Figure/ Table/Note**	**Type of comment**	**Commend (justification for change) by the MB**	**Proposed change by the MB**	**Secretariat observations on each comment submitted**
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

DRAFT INTERNATIONAL STANDARD

ISO/DIS 14001

ISO/TC **207**/SC **1** Secretariat: **BSI**

Voting begins on: **2014-08-28**

Voting terminates on: **2014-11-28**

Environmental management systems — Requirements with guidance for use

Systèmes de management environnemental — Exigences et lignes directrices pour son utilisation

ICS: 13.020.10

ISO/CEN PARALLEL PROCESSING

This draft has been developed within the International Organization for Standardization (ISO), and processed under the **ISO lead** mode of collaboration as defined in the Vienna Agreement.

This draft is hereby submitted to the ISO member bodies and to the CEN member bodies for a parallel five month enquiry.

Should this draft be accepted, a final draft, established on the basis of comments received, will be submitted to a parallel two-month approval vote in ISO and formal vote in CEN.

To expedite distribution, this document is circulated as received from the committee secretariat. ISO Central Secretariat work of editing and text composition will be undertaken at publication stage.

Reference number
ISO/DIS 14001:2014(E)

Contents

Page

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information. The committee responsible for this document is Technical Committee ISO/TC 207, *Environmental management*, Subcommittee SC 1, *Environmental management systems*.

This third edition will cancel and replace the second edition (ISO 14001:2004), which has been technically revised.

NOTE TO THIS TEXT (which will not be included in the published International Standard):

This text has been prepared using the a high level structure, identical core text, and common terms with core definitions, designed to benefit users implementing multiple ISO management system standards, as set out in Annex SL, Appendix 2 of the ISO/IEC Directives, Part 1, Consolidated ISO Supplement, 2014.

The text of Annex SL is shown in the main body of the text (Clauses 1 to 10) by the use of black font. All other text is shown in blue font. This is only to facilitate analysis and will not be incorporated in the final version of ISO 14001.

0 Introduction

0.1 Background

Achieving a balance between environmental, social and economic sub-systems within the global system is considered essential in order to meet the needs of the present without compromising the ability of future generations to meet their needs. This concept of the 'three pillars' of sustainability is the goal of sustainable development.

Societal expectations for sustainable development, transparency and accountability have evolved within the context of increasingly stringent legislation, growing pressures on the environment from pollution, and the inefficient use of resources, management of waste, climate change and degradation of eco-systems and biodiversity.

This has led organizations to adopt a systematic approach to environmental management by implementing environmental management systems with the aim to contribute to the 'environmental pillar' of sustainability.

0.2 Aim of an environmental management system

The purpose of this International Standard is to provide organizations with a systematic framework to protect the environment and respond to changing environmental conditions in balance with socio economic needs. It does so by specifying requirements for an environmental management system that enables an organization to enhance environmental performance by:

— developing and implementing an environmental policy and objectives;

— identifying aspects of its activities, products and services that can result in significant environmental impacts;

— establishing systematic processes which consider its context, and take into account its significant environmental aspects, risk associated with threats and opportunities and its compliance obligations;

— increasing awareness of its relationship with the environment;

— establishing operational controls to manage its significant environmental aspects and compliance obligations;

— evaluating environmental performance and taking actions, as necessary.

A systematic approach to environmental management can provide top management with information to build success over the long term and create options for contributing to sustainable development by:

— protecting the environment by preventing or reducing adverse impacts on the environment;

— mitigating the potential adverse impact of environmental conditions on the organization;

— assisting in conforming to compliance obligations;

— enhancing environmental performance;

— controlling or influencing the way the organization's products and services are designed, manufactured, distributed, consumed and disposed by using a life cycle perspective that can prevent environmental burdens from being inadvertently shifted elsewhere within the cycle;

— achieving financial and operational benefits that can result from implementing environmentally sound alternatives that strengthen the organization's market position;

— communicating environmental information to relevant interested parties.

0.3 Success factors

The success of an environmental management system depends on commitment from all levels and functions of the organization, led by top management. They can leverage opportunities to reduce or eliminate environmental impacts, particularly those with strategic and competitive implications. Top management can effectively address these opportunities by integrating environmental management into its business processes, strategy and decision making, aligning them with other business priorities, and incorporating environmental governance into its overall management system. Demonstration of successful implementation of this International Standard can be used to assure interested parties that an appropriate environmental management system is in place.

Adoption of this International Standard, however, will not in itself guarantee optimal environmental outcomes. Two organizations can carry out similar activities but may have different compliance obligations, environmental policy commitments, environmental technologies in use and environmental performance goals, yet both can conform to the requirements of this International Standard.

The level of detail and complexity, the extent of documentation and the resources needed for an environmental management system will depend on a number of factors, such as the organization's context, its size and location, its compliance obligations, the scope of the system, and the nature of its activities, products and services, including its environmental aspects and potential impacts.

0.4 Plan, Do, Check and Act approach

The basis for the approach underlying an environmental management system is founded on the Shewhart concept of Plan, Do, Check and Act (PDCA) made popular by Deming. The PDCA model demonstrates an iterative process used by organizations to achieve continual improvement. It can be applied to a management system and to each of its individual elements. It can be briefly described as follows.

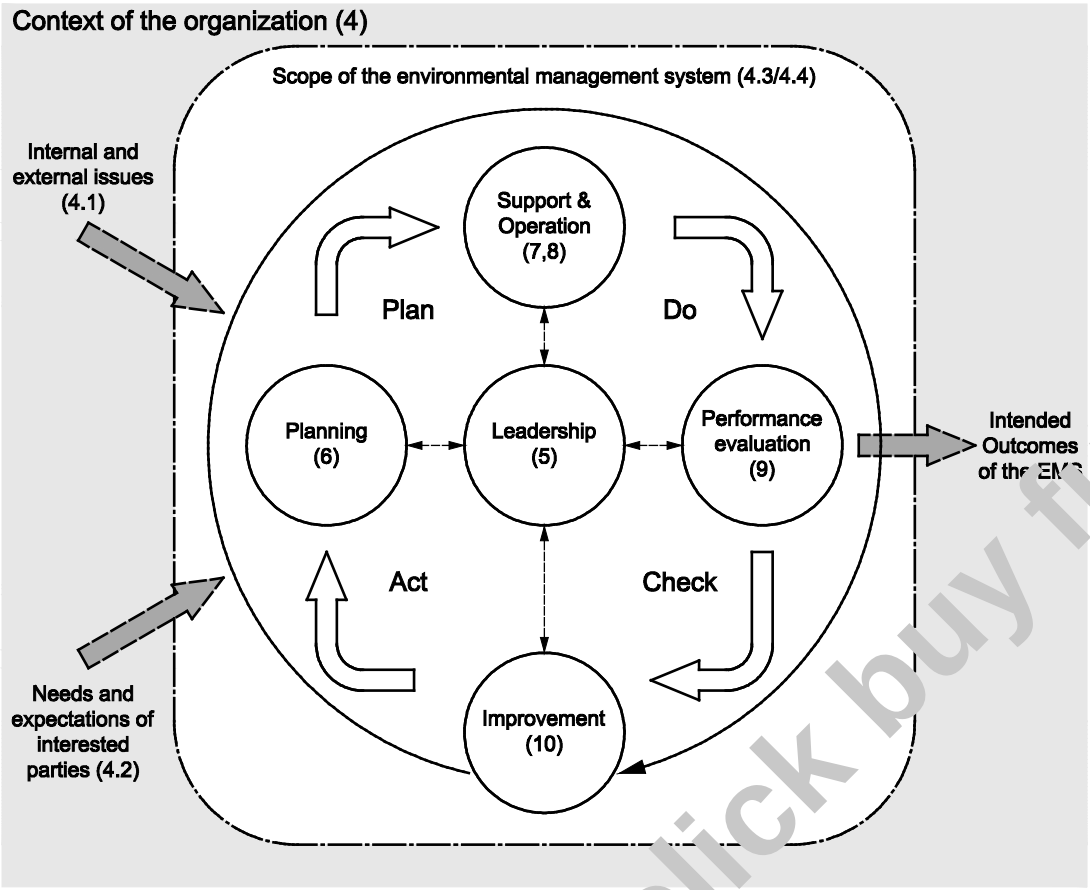
— Plan: establish objectives and processes necessary to deliver results in accordance with the organization's policy.

— Do: implement the processes as planned.

— Check: monitor and measure processes against the policy, including its commitments, objectives and operational controls, and report the results.

— Act: take actions to continually improve.

This International Standard incorporates the PDCA concept into a new framework, as shown in Figure 1.



Note: Numbers in brackets refer to the clauses in this International Standard.

Figure 1 — Environmental management system model for this International Standard

0.5 Contents of this International Standard

This International Standard includes revisions to meet environmental challenges facing organizations and provide value to both new and existing users. It also includes revisions to conform to ISO's requirements for management system standards[1]. These requirements include a high level structure, identical core text, and common terms with core definitions, designed to benefit users implementing multiple ISO management system standards.

The body of this International Standard, Clauses 1 through 10, contains the requirements used to assess conformity. Annex A provides informative explanations to prevent misinterpretation of ISO/DIS 14001:2014 requirements. Annex B identifies broad technical correspondence between the previous edition of this International Standard (ISO 14001:2004) and this edition. Implementation guidance on environmental management systems is included in ISO 14004[2].

1) See the ISO/IEC Directives, Part 1, Consolidated ISO Supplement, Procedures specific to ISO, Fifth edition, 2014, Annex SL, Appendices 2 and 3.

2) Revision of ISO 14004 is ongoing.

Environmental management systems — Requirements with guidance for use

1 Scope

This International Standard specifies the requirements of an environmental management system for organizations seeking to establish, implement, maintain and continually improve a framework with the aim to manage its environmental responsibilities in a manner that contributes to the 'environmental pillar' of sustainability.

The intended outcomes of an environmental management system provide value for the environment, the organization and its interested parties. Consistent with the organization's environmental policy, the intended outcomes of an environmental management system include:

— enhancement of environmental performance;

— conforming to compliance obligations;

— fulfilment of environmental objectives.

This International Standard is applicable to any organization regardless of size, type and nature and applies to the environmental aspects that the organization determines it can either control or can influence considering a life cycle perspective. It does not state specific environmental performance criteria, nor does it increase or change an organization's legal obligations.

This International Standard can be used in whole or in part to improve environmental management, but all the requirements are intended to be incorporated into an environmental management system and fulfilled, without exclusion, if an organization claims it complies with this International Standard.

2 Normative references

No normative references are cited. This clause is included to maintain clause numbering alignment with other ISO management system standards.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

3.1
organization
person or group of people that has its own functions with responsibilities, authorities and relationships to achieve its *objectives* (3.16)

Note 1 to entry: The concept of organization includes, but is not limited to sole-trader, company, corporation, firm, enterprise, authority, partnership, charity or institution, or part or combination thereof, whether incorporated or not, public or private.