

भारतीय मानक
पर्यावरण प्रबंधन – शब्दावली

Indian Standard

ENVIRONMENTAL MANAGEMENT — VOCABULARY

ICS 13.020

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BUREAU OF INDIAN STANDARDS
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NATIONAL FOREWORD

This Indian Standard which is identical with ISO 14050 : 1998 'Environmental management — Vocabulary' issued by the International Organization for Standardization (ISO) was adopted by the Bureau of Indian Standards on the recommendations of the Water Environmental Protection Sectional Committee (CHD 12) and approval of the Chemical Division Council.

This International Standard has been prepared by Technical Committee ISO/TC 207 'Environmental Management'. The text of the ISO Standard has been approved as suitable for publication as Indian Standard without deviations. However, attention is particularly drawn that wherever the words 'International Standard' appear referring to this standard they should be read as 'Indian Standard'.

Introduction

This International Standard contains concepts and their definition as used in the ISO 14000 series of standards and related to environmental management.

Communication is important in the implementation and operation of Environmental Management Systems. This communication will be most effective if there is a common understanding of the terms used.

Many environmental terms and definitions are the result of recently developed concepts. The gradual evolution of these environmental concepts inevitably means that environmental terminology will continue to develop. The purpose of this document is to convey understanding of the terms used in the published standards in the ISO 14000 series.

The terms and definitions in this International Standard are derived from the following International Standards on environmental management.

ISO 14001:1996, *Environmental management systems — Specification with guidance for use*

ISO 14004:1996, *Environmental management systems — General guidelines on principles, systems and supporting techniques*

ISO 14010:1996, *Guidelines for environmental auditing — General principles*

ISO 14011:1996, *Guidelines for environmental auditing — Audit procedures — Auditing of environmental management systems*

ISO 14012:1996, *Guidelines for environmental auditing — Qualification criteria for environmental auditors*

Because of the ongoing work on the development of environmental management standards within ISO/TC 207 including the publication of additional and revised International Standards, this International Standard will be reviewed, and as appropriate revised or amended.

Other concepts which may be encountered in the environmental management field are not defined in this International Standard. However, to aid users of the ISO 14000 standards on environmental management, some of these additional concepts are included with bibliographic references in an informative annex.

Users should be aware that the application and description of these concepts vary throughout the international environmental community. Their presence in Annex A is not intended to promote or endorse the use of these concepts.

Indian Standard

ENVIRONMENTAL MANAGEMENT — VOCABULARY

Scope

This International Standard contains definitions of fundamental concepts related to environmental management, published in the ISO 14000 series of standards.

Normative reference

The following standard contains provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the edition indicated was valid. All standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent edition of the standard indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 10241 : 1992, *International terminology standards — Preparation and layout*.

1 Terms and definitions

In accordance with ISO 10241, in some situations in this International Standard, the special usage of a concept in a particular context is indicated by the qualification given in angle brackets before the definition.

1.1 audit conclusion

professional judgement or opinion expressed by an auditor about the **subject matter** (1.25) of the audit, based on and limited to reasoning the auditor has applied to **audit findings** (1.4)

1.2 audit criteria

policies, practices, procedures or requirements against which the auditor compares collected **audit evidence** (1.3) about the **subject matter** (1.25)

NOTE Requirements may include, but are not limited to,

standards, guidelines, specified organizational requirements and legislative or regulatory requirements.

1.3 audit evidence

verifiable information, records or statements of fact

NOTE 1 Audit evidence which can be qualitative or quantitative, is used by the auditor to determine whether **audit criteria** (1.2) are met.

NOTE 2 Audit evidence is typically based on interviews, examination of documents, observation of activities and conditions, existing results of measurements and tests or other means within the scope of the audit.

1.4 audit finding

result of the evaluation of the collected **audit evidence** (1.3) compared against the agreed **audit criteria** (1.2)

NOTE The findings provide the basis for the audit report.

1.5 audit team

group of auditors, or a single auditor, designated to perform a given audit

NOTE 1 The audit team may also include technical experts and auditors-in-training.

NOTE 2 One of the auditors on the audit team performs the function of lead auditor.

1.6 auditee organization (1.23) to be audited

1.7 client organization (1.23) commissioning the audit

NOTE The client may be the **auditee** (1.6), or any other organization which has the regulatory or contractual right to commission an audit.

1.8 continual improvement

process of enhancing the **environmental management system** (1.14) to achieve improve-

ments in overall **environmental performance** (1.18) in line with the **organization's** (1.23) **environmental policy** (1.19)

NOTE The process need not take place in all areas of activity simultaneously.

1.9 environment

surroundings in which an **organization** (1.23) operates, including air, water, land, natural resources, flora, fauna, humans, and their interrelations

NOTE Surroundings in this context extend from within an organization to the global system.

1.10 environmental aspect

element of an **organization's** (1.23) activities, products or services that can interact with the **environment** (1.9)

NOTE A significant environmental aspect is an environmental aspect that has or can have a significant **environmental impact** (1.13).

1.11 environmental audit

systematic, documented verification process of objectively obtaining and evaluating **audit evidence** (1.3) to determine whether specified environmental activities, events, conditions, management systems, or information about these matters conform with **audit criteria** (1.2), and communicating the results of this process to the client

1.12 environmental auditor

person qualified to perform **environmental audits** (1.11)

1.13 environmental impact

any change to the **environment** (1.9), whether adverse or beneficial, wholly or partially resulting from an **organization's** (1.23) activities, products or services

1.14 environmental management system

part of the overall management system that includes organizational structure, planning

activities, responsibilities, practices, procedures, processes and resources for developing, implementing, achieving, reviewing and maintaining the **environmental policy** (1.19)

1.15 environmental management system audit

systematic and documented verification process of objectively obtaining and evaluating **audit evidence** (1.3) to determine whether an **organization's** (1.23) **environmental management system** (1.14) conforms with the environmental management system audit criteria, and communicating the results of this process to the client

1.16 environmental management system audit

(internal) systematic and documented verification process of objectively obtaining and evaluating evidence to determine whether an **organization's** (1.23) **environmental management system** (1.14) conforms to the environmental management system audit criteria set by the organization, and for communication of the results of this process to management

1.17 environmental objective

overall environmental goal, arising from the **environmental policy** (1.19), that an **organization** (1.23) sets itself to achieve, and which is quantified where practicable

1.18 environmental performance

(environmental management system) measurable results of the **environmental management system** (1.14), related to an **organization's** (1.23) control of its **environmental aspects** (1.10), based on its **environmental policy** (1.19), **objectives** (1.17) and **targets** (1.20)

1.19 environmental policy

statement by the **organization** (1.23) of its intentions and principles in relation to its overall **environmental performance** (1.18) which provides a framework for action and for the setting of its **environmental objectives** (1.17) and **targets** (1.20)

1.20 environmental target

detailed performance requirement, quantified where practicable, applicable to the **organization** (1.23) or parts thereof, that arises from the **environmental objectives** (1.17) and that needs to be set and met in order to achieve those objectives

1.21 interested party

(environmental performance) individual or group concerned with or affected by the **environmental performance** (1.18) of an **organization** (1.23)

1.22 lead environmental auditor

person qualified to manage and perform **environmental audits** (1.11)

1.23 organization

company, corporation, firm, enterprise, authority or institution, or part or combination thereof, whether incorporated or not, public or private, that has its own functions and administration

NOTE For organizations with more than one operating unit, a single operating unit may be defined as an organization.

1.24 prevention of pollution

use of processes, practices, materials or products that avoid, reduce or control pollution, which may include recycling, treatment, process changes, control mechanisms, efficient use of resources and material substitution

NOTE The potential benefits of prevention of pollution include the reduction of adverse **environmental impacts** (1.13), improved efficiency and reduced costs.

1.25 subject matter

(audit) specified environmental activity, event, condition, management system, and/or information about these matters

1.26 technical expert

(audit) person who provides specific knowledge or expertise to the **audit team** (1.5), but who does not participate as an auditor

Annex A (informative)

Additional Concepts Encountered in the International Environmental Community

A.1 General

The public's present concern related to protection of the environment from adverse impacts resulting from an organization's activities, processes, products and services gives rise to the need for a common understanding of generic environmental concepts.

The following widely used concepts and terms are listed to aid to a common understanding. Reference is given below to documents where descriptions or definitions can be found.

A.2 Best Available Technique (BAT)

[1] EU Directive 96/61/EEC (September 24,

1996) concerning integrated Pollution Prevention and Control, Article 2(11).

[2] OECD Council Recommendation, May 1972, Environment and Economics. Guiding Principles concerning international economic aspects of environmental policies.

[3] Convention on the Protection of the Marine Environment of the North East Atlantic. Paris, 22 September 1992, Article 2, clause 3 (b) and amendment No 1.

A.3 Critical load

[1] Dowing, R.J. Hettelingh., J.-P. and de Smet, P.A.M., 1993. Calculation and Mapping Critical Loads in Europe. Status Report 1993.

A.4 Precautionary principle

- [1] ISO 14004 : 1996, *Environmental management systems — General guidelines on principles, systems and supporting techniques*. Annex A, principle 15.
- [2] The Rio Declaration on Environment and Development, principle 15.
- [3] Convention on the Protection of the Marine Environment of the North East Atlantic. Paris, 22 September 1992. Article 2. clause 2 (a).
- [4] The Ministerial Conference in Bergen. 16 May 1990. Agenda 21, Chapter 19.

A.5 “Polluter pays” principle

- [1] ISO 14004:1996, *Environmental management systems — General guidelines on principles, systems and supporting techniques*, Annex A, principle 16.
- [2] The Rio Declaration on Environment and Development, principle 16
- [3] Convention on the Protection of the Marine Environment of the North East Atlantic. Paris, 22 September 1992. Article 2, clause 2 (b).
- [4] The Polluter Pays Principle, OECD 1975.

A.6 Pollution

- [1] EU Directive 96/61/EEC (September 24, 1996) concerning Integrated Pollution Prevention and Control, Article 2(11).
- [2] IMO/UNESCO/WMO/IAEA/UN/UNEP Joint Group of experts on the Scientific Aspects of Marine Pollution (GESAMP).
- [3] Convention on the Protection of the Marine Environment in the North East Atlantic. Paris, 22 September 1992. Article 1, clause (d).
- [4] Convention on the Protection of the Marine Environment of the Baltic Sea Area, 1992 (Helsinki Convention), Article 2, clause 1.

A.7 Sustainable development

- [1] “Our Common Future”: Report published by the World Commission on Environment and the Development (the Brundtland Report).
- [2] The President’s Council on Sustainable Development, February 1996.
- [3] Towards Sustainability: A European Programme of Policy and Action in relation to the Environment and Sustainable Development. EU Vol. II 27 March 1992.

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Review of Indian Standards

Amendments are issued to standards as the need arises on the basis of comments. Standards are also reviewed periodically; a standard along with amendments is reaffirmed when such review indicates that no changes are needed; if the review indicates that changes are needed, it is taken up for revision. Users of Indian Standards should ascertain that they are in possession of the latest amendments or edition by referring to the latest issue of 'BIS Handbook' and 'Standards Monthly Additions'

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Amendments Issued Since Publication

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