



The ISO 14000 Family of Standards

ISO 14000 is a series of generic standards that are developed by the worldwide federation known as the International Organization for Standardization (ISO). These standards provide business with a structure for managing environmental impacts.

Within the ISO 14000 series of standards, there are two types of standards: guidance and requirements.

Guidance standards are descriptive documents intended to provide guidance only.

All of the ISO 14000 series of generic standards (from ISO 14004 to ISO 14064) are guidance standards.

ISO 14001 is a system requirement standard.

Companies do not register to ISO 14000 as a series.

Companies only register to the requirements standard ISO 14001.

Predictably, the multitude of standards can be the source of confusion, (some 21 are listed and charted below in this document).

However, for most companies the one requirements standard that they need to focus on is:

- **ISO 14001:2004 - Environmental management systems – Requirements with guidance for use**

They should also become aware of two other guidance standards, namely:

- **ISO 14004:2004** - Environmental management systems – General guidelines on principles, systems and support techniques.
- **ISO 19011:2002** - Guidelines for quality and/or environmental management systems auditing.

The 3 standards are tabled below as the first 3 items where additional details and information are provided.

Note that depending on the nature of the business that organizations are involved in, some of the other standards listed may apply and serious consideration of them will be necessary.

The International Organization for Standardization identifies the standards and provides abstracts for the standards that make up the ISO 14000 series.



Standard Number	Title	ISO Abstract / Other Reference	Remarks
ISO 14001:2004	Environmental management systems – Requirements with guidance for use	<p>Abstract: ISO 14001:2004 specifies requirements for an environmental management system to enable an organization to develop and implement a policy and objectives which take into account legal requirements and other requirements to which the organization subscribes, and information about significant environmental aspects. It applies to those environmental aspects that the organization identifies as those which it can control and those which it can influence. It does not itself state specific environmental performance criteria. ISO 14001:2004 is applicable to any organization that wishes to establish, implement, maintain and improve an environmental management system, to assure itself of conformity with its stated environmental policy, and to demonstrate conformity with ISO 14001:2004 by:</p> <ul style="list-style-type: none"> a) making a self-determination and self-declaration, or b) seeking confirmation of its conformance by parties having an interest in the organization, such as customers, or c) seeking confirmation of its self-declaration by a party external to the organization, or d) seeking certification/registration of its environmental management system by an external organization. <p>All the requirements in ISO 14001:2004 are intended to be incorporated into any environmental management system. The extent of the application will depend on factors such as the environmental policy of the organization, the nature of its activities, products and services and the location where and the conditions in which it functions.</p> <p>ISO 14001:2004 also provides, in Annex A, informative guidance on its use.</p>	



Standard Number	Title	ISO Abstract / Other Reference	Remarks
ISO 14004:2004	Environmental management systems – General guidelines on principles, systems and support techniques	<p>Abstract: ISO 14004:2004 provides guidance on the establishment, implementation, maintenance and improvement of an environmental management system and its coordination with other management systems.</p> <p>The guidelines in ISO 14004:2004 are applicable to any organization, regardless of its size, type, location or level of maturity. While the guidelines in ISO 14004:2004 are consistent with the ISO 14001:2004 environmental management system model, they are not intended to provide interpretations of the requirements of ISO 14001:2004.</p>	Previously in ISO 14002
ISO 19011:2002	Guidelines for quality and/or environmental management systems auditing	<p>Abstract: ISO 19011:2002 provides guidance on the principles of auditing, managing audit programmes, conducting quality management system audits and environmental management system audits, as well as guidance on the competence of quality and environmental management system auditors.</p> <p>It is applicable to all organizations needing to conduct internal or external audits of quality and/or environmental management systems or to manage an audit programme.</p> <p>The application of ISO 19011 to other types of audits is possible in principle provided that special consideration is paid to identifying the competence needed by the audit team members in such cases.</p>	Replaces ISO 14010 ISO 14011 ISO 14012
ISO 14015:2001	Environmental management	<p>Reference: Environmental assessment of sites and organizations (EASO)</p>	
ISO 14020:2000	Environmental labels and declarations – General principles	<p>Abstract: This International Standard establishes guiding principles for the development and use of environmental labels and declarations. It is intended that other applicable standards in the ISO 14020 series be used in conjunction with this International Standard. This International Standard is not intended for use as a specification for certification and registration purposes.</p>	



Standard Number	Title	ISO Abstract / Other Reference	Remarks
ISO 14021:1999	Environmental labels and declarations – Self-declared environmental claims (Type II environmental labelling)	Reference: Provides guidance on the terminology, symbols, testing and verification methodologies that an organization should use for self-declaration of the environmental aspects of its products and services"	
ISO 14024:1999	Environmental labels and declarations – Type I environmental labelling -- Principles and procedures	Reference: Provides guidance on the terminology, symbols, testing and verification methodologies that an organization should use for self-declaration of the environmental aspects of its products and services.	
ISO 14025:2006	Environmental labels and declarations – Type III environmental declarations -- Principles and procedures	Abstract: ISO 14025:2006 establishes the principles and specifies the procedures for developing Type III environmental declaration programmes and Type III environmental declarations. It specifically establishes the use of the ISO 14040 series of standards in the development of Type III environmental declaration programmes and Type III environmental declarations. ISO 14025:2006 establishes principles for the use of environmental information, in addition to those given in ISO 14020:2000 Type III environmental declarations as described in ISO 14025:2006 are primarily intended for use in business-to-business communication, but their use in business-to-consumer communication under certain conditions is not precluded.	



Standard Number	Title	ISO Abstract / Other Reference	Remarks
ISO 140031:1999	Environmental management -- Environmental performance evaluation – Guidelines	Reference: Provides guidance on the design and use of environmental performance evaluation, and on identification and selection of environmental performance indicators, for use by all organizations, regardless of type, size, location and complexity	
ISO 14032 :1999	Environmental management-	Reference: Examples of environmental performance evaluation (EPE)	
ISO 14040:2006	Environmental management – Life cycle assessment – Principles and framework	Abstract: ISO 14040:2006 describes the principles and framework for life cycle assessment (LCA) including: definition of the goal and scope of the LCA, the life cycle inventory analysis (LCI) phase, the life cycle impact assessment (LCIA) phase, the life cycle interpretation phase, reporting and critical review of the LCA, limitations of the LCA, the relationship between the LCA phases, and conditions for use of value choices and optional elements. ISO 14040:2006 covers life cycle assessment (LCA) studies and life cycle inventory (LCI) studies. It does not describe the LCA technique in detail, nor does it specify methodologies for the individual phases of the LCA. The intended application of LCA or LCI results is considered during definition of the goal and scope, but the application itself is outside the scope of this International Standard.	
ISO 14041		See ISO 14049	
ISO 14042		See ISO 14047	
ISO 14043	Guidance	Reference: Provides guidance on the interpretation of Life Cycle Assessment results in relation to the goal definition phase of the Life Cycle Assessment study, involving review of the scope of the Life Cycle Assessment, as well as the nature and quality of the data collected	



Standard Number	Title	ISO Abstract / Other Reference	Remarks
ISO 14044:2006	Environmental management – Life cycle assessment – Requirements and guidelines	<p>Abstract: ISO 14044:2006 specifies requirements and provides guidelines for life cycle assessment (LCA) including: definition of the goal and scope of the LCA, the life cycle inventory analysis (LCI) phase, the life cycle impact assessment (LCIA) phase, the life cycle interpretation phase, reporting and critical review of the LCA, limitations of the LCA, relationship between the LCA phases, and conditions for use of value choices and optional elements.</p> <p>ISO 14044:2006 covers life cycle assessment (LCA) studies and life cycle inventory (LCI) studies.</p>	
ISO 14047:2003	Environmental management – Life cycle impact assessment – Examples of application of ISO 14042	<p>Abstract: ISO/TR 14047:2003 provides examples to illustrate current practice in carrying out a life cycle impact assessment in accordance with ISO 14042. These are only examples of the total possible "ways" to satisfy the provisions of ISO 14042. They reflect the key elements of the life cycle impact assessment (LCIA) phase of the LCA.</p> <p>NOTE The examples presented in ISO/TR 14047:2003 are not exclusive; other examples exist to illustrate the methodological issues described.</p>	
ISO 14049:2000	Environmental management – Life cycle assessment	<p>Reference: Examples of application of ISO 14041 to goal and scope definition and inventory analysis</p>	
ISO 14050:2002	Environmental management – Vocabulary	<p>Abstract: This International Standard contains definitions of fundamental concepts related to environmental management, published in the ISO 14000 family of International Standards.</p>	See ISO 9000:2000 Fundamental and vocabulary



Standard Number	Title	ISO Abstract / Other Reference	Remarks
ISO 14062:2002	Environmental management – Integrating environmental aspects into product design and development	<p>Abstract: ISO/TR 14062:2002 describes concepts and current practices relating to the integration of environmental aspects into product design and development.</p> <p>ISO/TR 14062:2002 is applicable to the development of sector-specific documents. It is not applicable as a specification for certification and registration purposes.</p>	
ISO 14063:2006	Environmental management -- Environmental communication – Guidelines and examples	<p>Abstract: ISO 14063:2006 gives guidance to an organization on general principles, policy, strategy and activities relating to both internal and external environmental communication. It utilizes proven and well-established approaches for communication, adapted to the specific conditions that exist in environmental communication. It is applicable to all organizations regardless of their size, type, location, structure, activities, products and services, and whether or not they have an environmental management system in place.</p> <p>ISO 14063:2006 is not intended for use as a specification standard for certification or registration purposes or for the establishment of any other environmental management system conformity requirements. It can be used in combination with any of the ISO 14000 series of standards, or on its own.</p>	
ISO 14064	Pending	Carbon count and greenhouse gases	