

Handout for:

Environmental Management - Eco Audit – Europe – ISO 14000ff

Definition

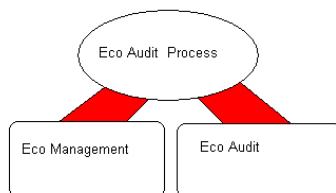
EMAS : (Environmental /Eco Management Audit System) combines the efforts of the organisations to improve the environmental protection continuously.



As guidance for acting on voluntary basis the following concepts exists: Regulation (EEC) No. 761/2001 (EMAS) and DIN EN ISO 14001FF. There are differences between EMAS and ISO 14000ff.

ISO1400 Series : ISO 14000 is a series of environmental management standards developed and published by the International Organization for Standardization (**ISO**) for organizations. The ISO 14000 standards provide a guideline or framework for organizations that need to systematize and improve their environmental management efforts. The ISO 14000 standards are not designed to aid the enforcement of environmental laws and do not regulate the environmental activities of organizations. Adherence to these standards is voluntary.

Eco Audit Process



The following diagram clarifies the components of the Eco audit process in the current EMAS version. Independently of the concept (EMAS or ISO) the enterprise/organizations connect various goals with the introduction and application of an environmental management system.

Ecological goals :

- reduction of the environmental impacts
- resources and energy conservation
- recognition of weak points and improvement potentials, for example with the introduction of a eco controlling
- decrease of the endangerment and risk potential

Economic goals :

- increase of right security ·
- cost transparency and reduction of costs ·
- image gain ·
- planning security ·
- easement in the administrative execution

Organizational goals : ·

- improvement of the structure and sequence organisation ·
- improvement of internal and external communication ·
- inclusion and motivation of the coworkers

ISO 14000 series treats the introduction and conversion of operational environmental management systems according to a procedure way given in the standard series. A goal is to improve operational environmental protection continuously.

The core elements of the environmental management system is described in the standard.

the DIN EN ISO 14001 is a world-wide valid standard. It serves an enterprise:

- to introduce or to improve an environmental management system,
- practice the environmental policy in the company
- to validate and/or certify and/or - want self-control of the adherence to this standard

The standard ISO 14001 contains no specific criteria for the structure an environmental management system but demands the formulation of the environmental policy of an enterprise with concrete goals. As private-economical system the ISO standard does not know a nationally certified and supervised environmental consultant and also no public control. The ISO concern strongly on responsibility. The standards require the adherence to the relevant legal regulations such as laws, regulations, official editions as basic condition for the existence and the acknowledgment of an operational environmental management system.

Components of the ISO 14000 series:

ISO 14001 (1996): environmental management systems - Specification with guidance for application

A goal of this international standard is the definition of criteria and requirements for the development and application operational environmental management system.

Description of the relevant terms: Continuous improvement, environmental aspect, mpact on the environment etc.

ISO 14010 (1996): manuals for environmental audits - General principles

A goal of this international standard is the definition of principles for the execution of environmental audits.

That covers the definitions relevant for environmental audits: Audit consequences, Audit criteria, Audit proof, Audit statements, Audit team etc.

ISO 14011 (1996): manuals for environmental audits - Audit procedure - Audit of environmental management systems

A goal of this international standard is the definition of audit procedures for planning and execution of an environmental management system audits.

ISO 14012 (1996): manuals for environmental audits - Qualification criteria for environmental audit gates

A goal of this international standard is the definition of qualification criteria for environmental audits.

ISO 14020ff

A goal of the international standard is the definition of guiding principles for the development and use of environmental markings and declarations.

ISO 14031 (1999): environmental management - Environmental performance evaluation

A goal of this international standard is the guidance for the organization and execution of the environmental performance evaluation within an organization

ISO 14040ff: environmental management - Product ecological balance - principles and general requirements "

A goal of this international standard is the definition of criteria and components of an product-oriented ecological balance.

Differences EEC-VO NR. 716/2001 vs. DIN EN ISO 14001

EEC-VO NR. 716/2001	View article	DIN EN ISO 14001
European Union and associated countries	area of application	world-wide
Actualization of the environmental explanation annually	Temporal area of application	no default

EEC-VO NR. 716/2001	View article	DIN EN ISO 14001
legal regulations	Right status	private-economical agreements, standards
each organization (all industries)	Entitled to take part industries	all industries
Location under control of an organization	System border and/or or certifying unit which can be validated	Organization or parts of an organization (society, body, enterprise, authority...)
- management system - environmental achievement concerning of the operational environmental protection	Orientation for continuous improvement arranged up:	- management system
obligatory participation of the employees and upon the request of their agencies	Employee participation	noncommittal participation
Validating by certified environmental property figure eight/environmental consultant organization (DAU)	Investigation proceeded	Certifying by permission company (TGA)
by the DAU GmbH, each environmental consultant every 2 years	Monitoring of the consultants	by the TGA GmbH, each certification body annually
Publication of an environmental explanation given	Information of the public	Publication to the environmental policy requires
Investigation document, entry in EMAS listing	Participation confirmation	ISO certificate
EMAS Logo in accordance with. Kind. 8 EEC-VO NR. 761/2001	Logo	-

DAU - Deutsche Akreditierungs- und Zulassungsgesellschaft für Umweltgutachter mbH
TAU - Trägergemeinschaft für Akreditierung

Sources: Lutz Schimmelpfeng - Öko Audit und Öko-Controlling
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Öko Audit Umweltzertifizierung Basis einer neuen Unternehmensstruktur
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