SVENSK MILJÖBAS

Comparison of the Environmental Management Systems; The Swedish Environmental Base, ISO 14001 and EMAS

	The Swedish Environmental Base 3:2013	ISO 14 001:2004	EMAS (Criteria above ISO 14 001)
1. Environmental policy	An environmental policy containing; commitments concerning compliance with environmental legislation, continual improvement and prevention of pollution must be prepared and made publicly available. The environmental policy shall be relevant to the organization and its activities. It shall also reflect the intentions of the environmental work, be anchored within top management and communicated to employees.	An environmental policy containing; commitments concerning compliance with environmental legislation, continual improvement and prevention of pollution, must be prepared and made publicly available. The environmental policy shall be relevant to the organization and its activities. It shall also reflect the intentions of the environmental work, be anchored within top management and communicated to employees.	Same as ISO 14 001
2. Environmental aspects	The organization shall accomplish an environmental review including; an organizational description and a description of its environmental impact. The organization shall identify its environmental aspects, both positive and negative, and	The organization shall accomplish an environmental review including; an organizational description and a description of its environmental impact. The organization shall establish, implement and maintain procedures to identify its environmental	More detailed guidelines on the environmental review are regulated in "Appendix 1", the EMAS Regulation. Criteria's for assessing the environmental aspects significance are identified and documented.

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	annually assess which environmental aspects that are significant.	aspects and assess which environmental aspects that are significant.	The environmental aspects linkage to environmental legislation are defined and documented in the environmental survey.
3. Legal and other requirements	The organization shall have a documented list of relevant environmental legislation and other regulatory requirements in the environmental field. The organization shall also specify how legal requirements are complied with. Any injunctions from authorities' (e.g. of supervisory matters) shall be resolved within a specified time	The organization shall establish, implement and maintain a procedure to identify and have access to accurate environmental legislation and other legal requirements concerning the organization. The legal requirements shall also be related to the organizations environmental aspects.	Compliance with legislation is reviewed as a specific part of the audit. There is also criteria's for documentation regarding the legal requirements linkage to the significant environmental aspects.
4. Environmental targets and action plans	The organization shall, based on the environmental aspects, develop documented environmental targets and an action plan for achieving them. The action plan shall also present; the person responsible for the implementation, a timetable and resource requirements. The environmental	The organization shall establish, implement and maintain documented environmental targets, both general and detailed. The environmental targets shall also be measurable. One or more action plans shall be established to describe; how the targets are planned to be achieved, the person responsible for	Same as ISO 14 001

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	targets shall also be possible to verify and follow-up.	the implementation, a timetable and resource requirements.	
5. Roles, responsibility and authority	The organization shall have a clear division of defined roles, responsibility and authority. Top management shall also appoint an environmental manager and together they shall define his role and authority.	The organization shall have a clear division of defined roles, responsibility and authority. Top management shall also appoint a management representative.	The organization shall consider, promoting and providing opportunities for all employees to involve in the environmental work.
6. Training needs and competence	The organization shall identify training needs amongst employees, as employees must have the right competence to perform their work duties in an environmentally correct manner. A basic requirement is that the organization's employees shall undergo basic environmental training. The organization shall also establish and maintain a training plan including all employees. Issuers shall also have the right to set higher training demands within their own	The organization shall ensure that employees have the right competence to perform their work duties in an environmentally correct manner. The organization shall also, beyond this, identify the training needs amongst other employees and ensure that they have the right knowledge of the EMS, such as the correct information concerning; the environmental policy, the significant environmental aspects, roles and responsibilities.	The organization shall conduct special training requirements within; environmental management and understanding the importance of the EMS.

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	method, e.g. concerning environmental management and environmental law.		
7a. Internal communication	Employees and other stakeholders shall be informed of the organization's environmental work.	The organization shall have procedures for internal communication the environmental work. There shall also be procedures for employees to make comments on the environmental work.	The organization shall have systematic for internal communication that promotes employee participation, both in and between all levels in the organization.
7b. External communication	The organization shall establish an environmental rapport that describes; the organization, its environmental work and the environmental improvements made over time. The environmental rapport shall also contain relevant measurable indicators. It shall also be updated annually, be available to interested parties and reported to the issuer's organization.	The environmental policy shall be published and communicated externally. The organization is not obliged to communicate the environmental performance externally but the organization shall have procedures for receiving, documenting and responding to the comments of external stakeholders If the organization decides to communicate the environmental work external, procedures for this must exist.	The organization shall establish an environmental rapport that describes; the organization, its environmental work and the environmental improvements made over time. The environmental rapport shall be made public and communicated externally. Core indicators, connected to the significant environmental aspects must be included. The Swedish Environmental Protection Agency publishes all EMAS-

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| | | | registered organizations' environmental reports on it's their web site.

The organization shall also demonstrate that there is an open dialogue between the organization, the public and other stakeholders.

SMEs *, with no significant environmental risks, can get reliefs on current requirements regarding external environmental reports and instead of every year present a report every second year. |
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| **8. Documentation** | Required documents: -Environmental review -Environmental policy -Environmental targets -Action plan -Environmental rapport -List of legal requirements -Training program

Needs of procedures are assessed and supporting | The EMS documentation shall be detailed enough to describe the EMS and how parts of the system interact. The documentation shall also provide information about where to find more detailed information on specific parts of the MLS.

The extent of documentation may | Same as ISO 14001, but with the addition of a description of the linkage between legislation and environmental aspects, requirements for the environmental report and the written procedures for employee involvement. |

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	documentation are prepared if necessary, e.g. an audit plan, document management and written procedures linked to the roles within the organization, etc.	vary depending on the complexity of the organization.	
. 9. Control of documents	The organization shall evaluate the need for procedures. If necessary, the procedures for document control must be considered.	The organization shall establish and maintain procedures for approval, review and identification of the EMS documentation. The organization shall ensure that there is a "version control", traceability and a control of status changes of the documents. The organization shall also have procedures for managing records.	Same as ISO 14 001
. 10. Operational control	Targets and/or procedures shall be linked to the significant environmental aspects.	The organization shall evaluate activities and processes that have impact on the identified significant environmental aspects. Documented procedures shall be established where the absence of procedures could lead to nonconformities from the environmental policy or from the environmental targets.	Same as ISO 14 001
. 11. Emergency preparedness	The organization shall make an assessment of the environmental risks and present how it will suitably	The organization shall document the procedures for how to manage the organization's	Same as ISO 14 001

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	prevent or plan to respond to occurring accidents or incidents.	environmental risks and how to preventively work against them.	
. 12. Indicators	Relevant indicators linked to the significant environmental aspects shall be measured and presented in the environmental report.	Relevant indicators linked to the environmental targets shall be measured.	Relevant indicators linked to the environmental targets shall be measured. Core indicators shall be publicly presented.
. 13. Nonconformities	Nonconformities identified during the audit shall be corrected by the organization. The corrective action shall be presented to the auditor for an approval. There is no direct requirements for nonconformity procedures in the standard, but if the need for nonconformity procedures is identified, procedures must med implemented.	The organization shall have procedures to identify, analyze and correct nonconformities. Nonconformities and corrective and preventive actions shall be documented. Nonconformities are identified by employees as well as during internal and external audits.	Same as ISO 14 001
. 14. Control of records	Control records shall be presented on request to the auditor.	There shall be procedures for managing control records.	Same as ISO 14 001

. 15. Audit	The audit must be performed by an auditor approved by The Swedish Environmental Base. The organization shall be audited every year during the first four years and then at least every second year. The organization shall undergo third-party audits during the second audit and then at least every fourth year. If the organization is available in different geographical locations, an audit shall be presented. If there is a need for internal audits an audit plan shall be presented and implemented. Issuers can, in its method, require annual audit even after the first four years.	The organization shall establish an audit plan that covers both internal and third-party audits. The third-party audits shall be performed by an authorized certification body. There shall be annual audit every year and every third year, audits for renewal of the certificate.	Same as ISO 14 001. Some relief's for SMEs *; The frequency of audits can be extended to every fourth year.
. 16. Management review	Top management shall be engaged within the EMS and annually evaluate the environmental work, approve measures linked to environmental targets and action plans, and ensure that the there are enough necessary	Top management shall be engaged within the EMS and ensure that there are enough necessary resources for the establishment, implementation and maintenance of the MLS. Top management shall also according to planned intervals to evaluate the EMS	Top management must ensure employees participation.

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		resources to continue the environmental work.	functionality and performance and decide on improvements, also known as the managements review.	
. 17. Environmental report		The organization shall establish and annually update an environmental report that describes the environmental work and the environmental improvements made over time. The environmental report shall contain relevant indicators and be available to interested parties. The report shall also be annually communicated to the issuer.	There are no requirements for external environmental reporting, in addition to the environmental policy that the organization shall present publicly. If the organization itself decides to communicate externally, it must establishment procedures.	The organization shall establish and annually update an environmental report containing; a description of the organization, its environmental work and environmental performance. The environmental performance shall also include and present the organizations core indicators linked to the significant environmental aspects. Authorities' responsible for EMAS in each EU country, publishes registered organizations' and there environmental reports publicly.
	18.Con tinual improv ements	The organization shall annually compile and document the changes that have occurred, regarding the environmental work, from the previous audit. During the audit the organization shall be	The organization shall at the audit be able to demonstrate how they are working to continually improve their environmental performance. The continual improvements can be done periodically and	The organization shall present working improvements related to the reporting of the core indicators.

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	able to demonstrate what environmental improvements that have been made. Organizations operating at different physical locations must have procedures to monitor the environmental work in all various locations/branches of the business.	doesn't need take place during frequent time intervals.	
19. Auditor require ments	Auditors shall be approved by The Swedish Environmental Base. An auditor shall have; post-secondary education within the area of environmental science, at least 2 years of professional experience in the environmental field, documented training in auditing techniques and training in within the EMS standard at least every three years.	Auditors shall be accredited by a certification organ.	Same as ISO 14 001.
20.Use of logotype	When the EMS has been approved by a third-party auditor, the organization may use the EMS logo.	When the EMS has been approved by a third-party auditor, the organization may use the EMS logo.	When the EMS has been approved by a third-party auditor, the organization may use the EMS logo.

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