

Environment Management System

ISO 14001:2015

ISO 14001:2015 can be used by any organization that wishes to set up, improve, or maintain an environmental management system to conform with its established environmental policy and requirements. Environment Management System is determined by several factors including the organization's industry, environmental policy, products and service offerings, and location.

ISO 14001:2015 is relevant to all organizations, regardless of size, location, sector, or industry.

Benefits of ISO 14001:2015

Using ISO 14001:2015 has many benefits for organizations with environmental management systems.

Organizations and companies find that using the standard helps them:

- Improve resource efficiency
- Reduce waste
- Reduce costs
- Provide assurance that environmental impact is being measured
- Gain competitive advantage in supply chain design
- Increase new business opportunities
- Meet legal obligations
- Increase stakeholder and customer trust
- Improve overall environmental impact
- Manage environmental obligations with consistency

Role of management in establishing & implementing an EMS

- Develop & approve environmental policy as a statement of commitment
- Provide resources
- Appoint management representative(s) to ensure EMS is established, implemented and maintained, and to report on performance of EMS including recommendations for improvement
- Provide support to management representative in establishment phase to overcome barriers
- Regularly review the EMS to ensure its continuing suitability, adequacy and effectiveness.

Planning the EMS

1.Environmental aspects

2.Legal & other requirements

3.Objectives, targets & programs

Environmental aspects :

- Identify environmental aspects
- Determine aspects with *significant* environmental impact
- Document & maintain in an aspects register
- Ensure that significant environmental aspects are the focus of the rest of the EMS

2.Legal & other requirements

- Identify environmental legal requirements applicable to the operations of the organisation
- Identify other environmental requirements to which the agency subscribes
- Show how legal & other requirements apply to environmental aspects
- Keep these up-to-date & incorporate them into other elements of the EMS

3.Objectives, targets & programs

- Objective: overall goal consistent with environmental policy that the agency wants to achieve
- Target: detailed performance requirement to achieve objective
- Environmental program/action plan:
 - to achieve objectives & targets
 - Includes responsibility, means & timeframe

Steps to establishing an EMS

1. Obtain commitment from top management.
2. Define responsibilities, appoint management representative(s), establish EMS steering committee, develop implementation plan, initial training on EMS.
3. Planning—identify environmental aspects, legal & other requirements; formulate environmental policy; establish environmental objectives & targets & programs.
4. Implementation & operation—develop documentation & processes
5. Checking—develop processes for monitoring & measurement & corrective & preventive action
6. Develop and deliver presentation on awareness of the EMS in the organisation.
7. Establish internal audit program, including training; conduct initial internal audit to evaluate conformity to requirements of ISO 14001, including evaluation of compliance
8. Follow up internal audit with improvements to system
9. Conduct initial management review of EMS
10. Implement improvements from management review