



ISO 14001 EVOLUTION.

Understanding the New Revision and What it
Means for Manufacturers.

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Today's Agenda



- What is ISO 14001
- Purpose Behind the Revision
- EMS Terminology & Principles
- ISO 14001:2015 Overview



Why ISO 14001:2026

ISO 14001 sets requirements for an environmental management system. It helps organizations improve environmental performance through efficient resource use and waste reduction, building competitive advantage and stakeholder trust.

- Shows compliance with legislative and regulatory requirements
- Improves employee morale and public perception
- Increases profitability through waste reduction



Increased emphasis around;

- Climate change
- Change management
- Opportunities and improvement



Improving clarity;

- Better alignment with other management systems
- Some words/phrases didn't directly translate
- Added/reworked notes to clarify intention

7 Environmental Management Principles

Focus on Aspects and Impacts

Leadership

Engagement of People

Process Approach

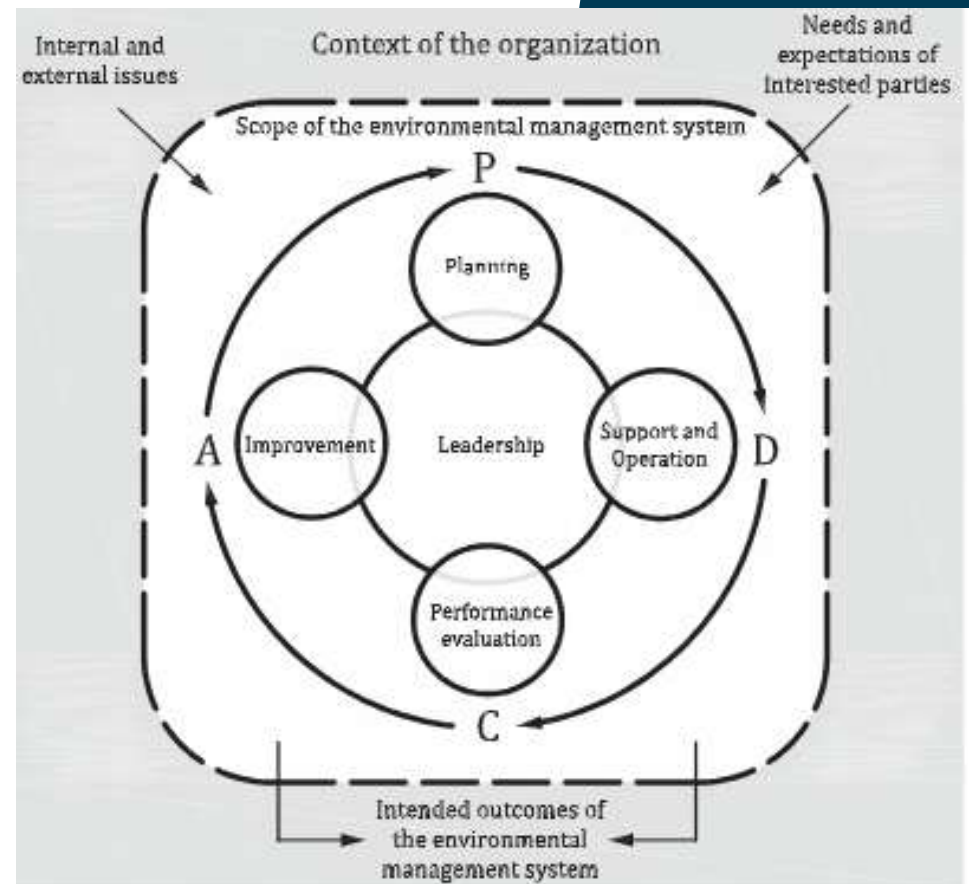
Continuous Improvement

Evidence-based Decision making

Relationship Management

ISO 14001 Structure

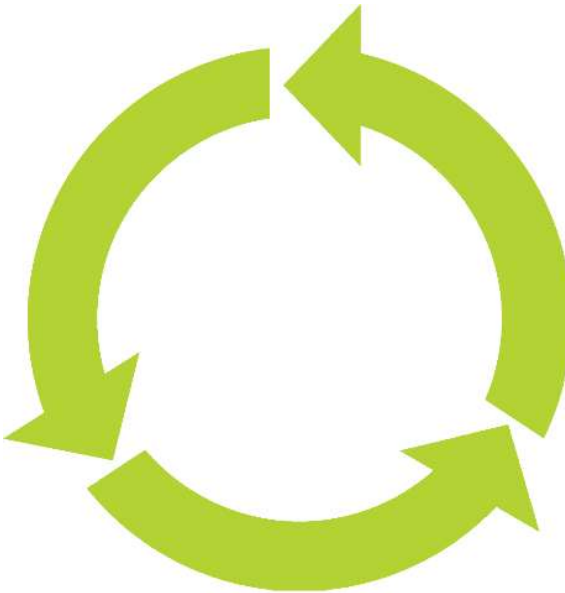
- Scope
- Normative References
- Terms and Definitions
- Context of the Organization
- Leadership
- Planning
- Support
- Operation
- Performance Evaluation
- Improvement



Plan. Do. Check. Act.

1. Define goals for the EMS

2. Plan and implement
resources and processes



4. Review and identify
opportunities for
improvement

3. Monitor performance

Compliance Obligation

Legal requirements that an organization has to comply with and any other requirements that an organization has to or chooses to comply with.

Environmental Impact

The change to the environment whether adverse or beneficial, wholly or partially, resulting from an organization's environmental aspects.

Environmental Aspects

The elements of an organization's activities that interact or can interact with the environment.

Life Cycle

The consecutive and interlinked stages for a production system, from raw material acquisition to final disposition.

EMS Terminology

Element 4: Context of the Organization

Organization Context

Internal/External Issues

- Environmental conditions being affected by or capable of affecting the organization
- Such as; pollution levels, availability of natural resources, climate change, biodiversity or ecosystem health

Needs/Expectation of Interested Parties

- Which of these needs/expectations become compliance obligations and will be addressed through the environmental management system.



Organization Context

Determine Scope

- Once defined all activities, products, and services within that scope must be included in the EMS
- Consideration given to its authority and ability to control and influence, over the life cycle of its activities, products and services.

Environmental Management System

- Establish, implement, maintain and continually improve the EMS, including the processes needed and their interaction.



Element 5: Leadership



Leadership

Leadership Commitment

- The buck stops with Leadership.

Environmental Policy

- Protection of the environment
- Fulfillment of compliance obligations
- Continuous improvement

Roles, Responsibilities, & Authorities

- EMS conforms to requirement
- Reporting of performance of the EMS



Element 6: Planning

Planning

- **Risks & Opportunities**

- Issues in 4.1 and requirement in 4.2
- Environmental aspects in 6.1.2
- Compliance obligations in 6.1.3

- **Environmental Aspects**

- Associated impacts of aspects
 - Normal and abnormal conditions
 - Change, new developments, or modified activities
 - Potential emergency situations
- Significance of impacts with criteria



Planning

- **Compliance Obligations**
 - Related to relevant environmental aspects
- **Environmental Objectives**
 - Measurable
 - Monitored
 - Communicated
 - Updated
 - Ex; Reduce water consumption by X, Recycle X% of waste, etc



Planning

- **Planning of Changes**
 - Carried out in planned manner
 - Managed to ensure intended outcomes



Element 7: Support

Support

Competence

- Determine competence of persons
- Training needs associated with environmental aspects

Awareness

- EMS policy
- Environmental aspects & impacts
- Contribution to the EMS
- Implications of not conforming to EMS



Support

Communication

- Internal
- External

Documented Information

- 15 required documents/records + any documents deemed necessary by the organization
- Creating & Updating
 - Identification, format, review/approve
- Control
 - Distribution, access, storage, changes, retention



Element 8: Operation

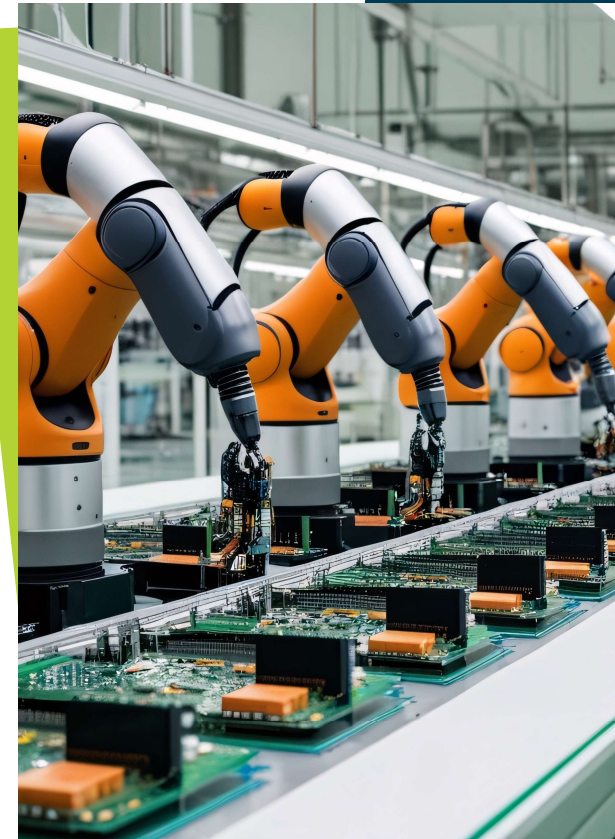
Operation

Operational Planning & Control

- Establish criteria for processes
- Control outsourced processes
- Life-cycle perspective; environmental controls from design to end-of-life treatment

Emergency Preparedness & Response

- Identify potential emergency situation
 - Plan to take action to respond to emergency
 - Periodically test plan
 - Periodically review and revise plan after the occurrence of an emergency
- Provide information on preparedness to interested parties and persons to work in EMS



Element 9: Performance Evaluation

Performance Evaluation

Monitoring, Measurement, Analysis & Evaluation

- Establish criteria to evaluate environmental performance (when, who, how often)
- Establish process needed to evaluate the fulfillment of compliance obligations

Internal Audit

- Conforming & effectively implemented
- Define audit objective
- Establish, implement & maintain an audit program



Performance Evaluation

Management Review Inputs

- Status of actions from previous MR
- Changes in
 - Internal/external issues
 - Needs/expectations of interested parties relevant to the EMS
 - Environmental aspects
 - Risks/Opportunities
- Environmental performance (trends)
 - Nonconformities/Corrective actions
 - Monitoring & measurement results
 - Fulfillment of compliance obligations
 - Audit results



Performance Evaluation

- Adequacy of resources
- Communication from interested parties
- Opportunities for improvement

Management Review Results

- Effectiveness of the EMS
- Continuous improvement opportunities
- Any changes to the EMS
- Actions taken when objectives are not met
- Integration opportunities with other business processes
- Changes to the strategic direction



Element 10: Improvement

Improvement

Continual Improvement

- Continually improve the suitability, adequacy and effectiveness of the EMS

Nonconformity & Corrective Action

- React to the NC
- Evaluate need to eliminate causes of NC
- Implement action
- Review effectiveness



2015 -> 2026 Transition

- **Make everyone aware.**
 - These are the changes.
 - This will be our process.
 - This is our timeline.
- **Review documentation.**
 - Top Down
 - Don't bypass your review/approve step
 - Update Internal Audit documentation
- **Conduct any training/retraining.**
- **Audit your system.**
- **Contact your Registrar.**



Thank You!

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