


## *Topics Covered*

- 
- **Fundamentals**
  - **The 14001 Standard**
  - **Importance of 14001**
  - **Benefits**
  - **Requirements**
  - **Process / PDCA Approach**
  - **Details of the Standard:** *Sections 4 through 8*
  - **Summary**
  - **Tools for Implementation**



## ***The Fundamentals***

### **The letters I.S.O. mean International Organization of Standardization**

- ISO is an organization that develops Standards for use worldwide.
- ISO 14001 helps companies do their share in protecting the environment.
- ISO 14001 Outlines criteria for a good Environmental Management System (EMS).



## ***PDCA Approach***

**P-Plan:** Establish the objectives and processes needed to deliver the results in line with the Environmental Policy.

**D- Do:** Implement the needed processes.

**C- Check:** Check the processes against the environmental policy, objectives, targets, regulations, and report on the results.

**A-Act:** Take actions that will continually improve the EMS.



## ***Details of the Standard***

### **Section 4: Environmental Management System**

#### **4.1 General Requirements**

- The standard requires that your organization has an Environmental Management System in place that meets the requirements outlined in the standard.
- The scope of the EMS needs to be defined.



## ***Details of the Standard***

### **4.2 Environmental policy**

- Within the scope of the EMS, Top Management must establish the Environmental Policy that is appropriate to the organization.
- All employees need to know what this policy says, and how their jobs help support the Environmental Policy.



## ***Details of the Standard***

### **4.3 Planning**

- 4.3.1 Environmental aspects

Within the scope of the EMS, identify the aspects of the activities, products, services that can be controlled & influenced and can have significant + ve or – ve impacts on the environment.



## ***Details of the Standard***

### **4.3 Planning**

- 4.3.2 Legal and other requirements

Identify the legal and other requirements that apply to your sites, products, services that are included in your EMS.



## ***Details of the Standard***

### **4.3 Planning** *(con't)*

- 4.3.3 Objectives, targets and programs

Environmental programs, with measurable objectives and targets, need to be established to support the environmental policy, the reduction in pollution, the compliance to regulations and continual improvement.



## ***Details of the Standard***

### **4.5 Checking** *(con't)*

- 4.5.3 Nonconformity, corrective action & preventive action

A system is required to identify and correct actual and potential nonconformities that can impact the environment and respond to actual situations.

Evaluations of corrective and preventive actions are required to assess their effectiveness.



# Summary

**ISO 14001  
ENVIRONMENTAL  
MANAGEMENT SYSTEM  
REQUIREMENTS**

## The EMS Building Blocks

