

ISO 50001:2018 - Certificate of Energy Management Systems

Introduction

The aim of this document is to enable organizations to establish the systems and processes necessary to continually improve energy performance, including energy efficiency, energy use and energy consumption. This document specifies the energy management system (EnMS) requirements for an organization. Successful implementation of an EnMS supports a culture of energy performance improvement that depends upon commitment from all levels of the organization, especially top management. In many instances, this involves cultural changes within an organization.

This document applies to the activities under the control of the organization. Its application can be tailored to fit the specific requirements of the organization, including the complexity of its systems, degree of documented information and available resources. This document does not apply to product use by end-users outside of the scope and boundaries of the EnMS, nor does it apply to product design outside of facilities, equipment, systems or energy-using processes. This document does apply to the design and procurement of facilities, equipment, systems or energy-using processes within the scope and boundaries of the EnMS.

Development and implementation of an EnMS includes an energy policy, objectives, energy targets and action plans related to its energy efficiency, energy use, and energy consumption while meeting applicable legal requirements and other requirements. An EnMS enables an organization to set and achieve objectives and energy targets, to take actions as needed to improve its energy performance, and to demonstrate the conformity of its system to the requirements of this document.

Scope

This document specifies requirements for establishing, implementing, maintaining and improving an energy management system (EnMS). The intended outcome is to enable an organization to follow a systematic approach in achieving continual improvement of energy performance and the EnMS.

This document:

- a) is applicable to any organization regardless of its type, size, complexity, geographical location, organizational culture or the products and services it provides;
- b) is applicable to activities affecting energy performance that are managed and controlled by the organization;
- c) is applicable irrespective of the quantity, use, or types of energy consumed;
- d) requires demonstration of continual energy performance improvement, but does not define levels of energy performance improvement to be achieved;
- e) can be used independently, or be aligned or integrated with other management systems.

Annex A provides guidance for the use of this document. Annex B provides a comparison of this edition with the previous edition.