

**THE REQUIREMENTS**  
**OF ISO 50001:2018**

**SAMPLE**

82 page PowerPoint Presentation

# TOPICS / QUESTIONS COVERED

- What is ISO 50001?
- What is needed for registration to ISO 50001?
- What are the requirements of ISO 50001:2018?
  - Section 4 - Context of the Organization
  - Section 5 - Leadership
  - Section 6 - Planning
  - Section 7 - Support
  - Section 8 - Operation
  - Section 9 - Performance Evaluation
  - Section 10 - Improvement
- What are the next steps?

# WHAT IS A MANAGEMENT SYSTEM?

Your organization is made up of several Management Systems, which operate within your overall Business Management System. Example:

- Financial (FMS)
- Quality (QMS)
- Environmental (EMS)
- Safety (SMS)
- **Energy (EnMS)**
- IT (MIS) etc.





Requirements  
of  
ISO 50001:2018

**SAMPLE**

88 page Trainer's Guide

Trainer's Guide



This training is aimed at "Understanding the Requirements of an Energy Management System (EnMS)".

It is a Clause-by-Clause explanation of ISO 50001:2018, the International Standard for Energy Management Systems.

**Trainer's Guide including speaker's notes**

## TOPICS / QUESTIONS COVERED

- What is ISO 50001?
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  - Section 5 - Leadership
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The requirements of ISO 50001:2018 are described in 7 clauses or sections

Section 4 - Context of the Organization

Section 5 – Leadership

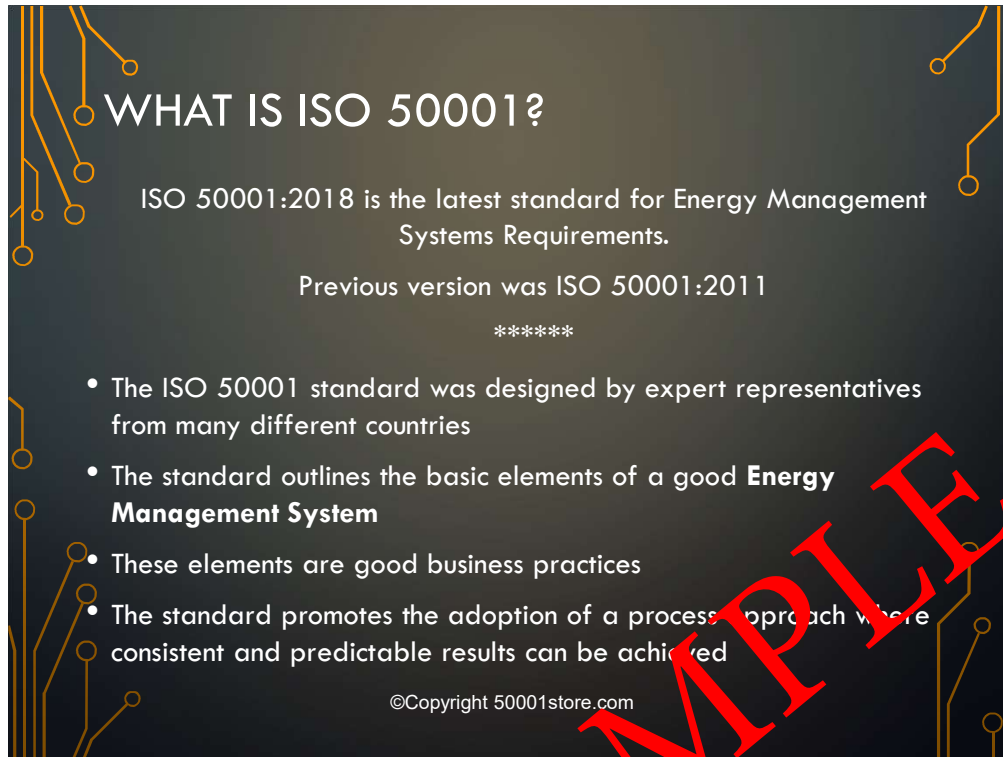
Section 6 - Planning

Section 7 - Support

Section 8 - Operation

Section 9 - Performance Evaluation

Section 10 -Improvement



The International Standardization Organization (ISO) has representatives from some 180 member countries that make up a Technical Advisory Group (TAG).

These groups draft the standard, then members comment and vote on the standard.

The document then becomes an ISO standard.

These standards are not regulations.

They are a method of getting a standard set of criteria for Energy Management Systems.

An outside agency, the registrar, will then audit to see if you have all the required elements in place. If you do, you will get ISO 50001 registration.

This registration tells others all over the world that you have an energy management system in place.

As we go through the presentation and cover the requirements you will see that these requirements are basically just good business practice that conserve energy and improve your energy performance.



Requirements  
of  
ISO 50001:2018

**SAMPLE**

**34 page Student Guide**

**Student's Guide**



# Student's Guide includes space for notes



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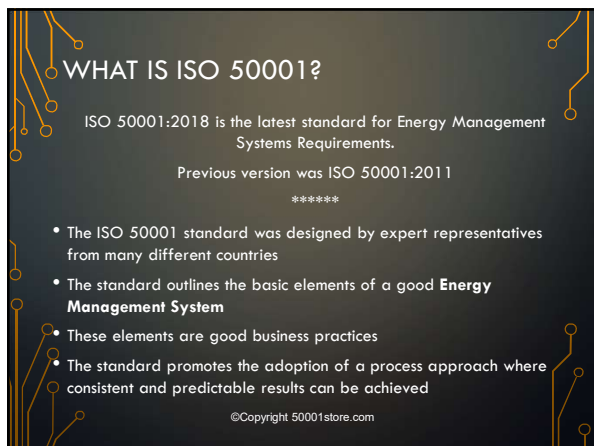
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# Includes two quizzes

31. An energy data collection plan must be defined and implemented and specify the data necessary to monitor key characteristics.	T Clause:	F Clause:
32. The EnMS does not have to continually improve its suitability, adequacy, and effectiveness,	F Clause:	F Clause:

## Find the Requirement:

	Clause:
1. Establish an energy policy that includes a commitment to ensure the availability of information and the resources required to achieve objectives and energy targets.	
2. Establish and continually improve the energy management system (EnMS) that includes the processes needed and their interactions.	
3. Understand and consider the external and internal issues, the requirements of interested parties, and the relevant legal requirements relative to energy efficiency, energy use and consumption when determining the scope of the EnMS.	
4. Maintain a process to access legal and other requirements that relate to energy efficiency, energy use and consumption.	
5. Top management demonstrates commitment with respect to the EnMS by ensuring that the energy policy, objectives and energy targets are established and are compatible with the strategic direction.	
6. Documented information required by the EnMS and by the ISO 50001 standard is controlled to ensure that it is available for use where and when it is needed.	
7. Retain as documented information, the suggested improvements made by personnel doing work under the control of the company.	
8. Control documented information to ensure that it is adequately protected such as from loss of confidentiality, improper use or loss of integrity.	
9. Maintain as documented information the methods and criteria used to develop the energy review.	
10. Determine the risks and opportunities that need to be addressed to give assurance the EnMS can achieve intended results, prevent or reduce undesired effects, and achieve continual improvement.	
11. Consider how the actions to achieve objectives and energy targets can be integrated in the business processes.	
12. Ensure that persons whose work affects the performance of the EnMS are competent based on education, training, or experience.	
13. Maintain as documented information the methods and criteria used to develop the energy review.	
14. When available data indicates that relevant variables significantly affect energy performance, consider such data in establishing EnPIs.	
15. When available data indicated that relevant variables significantly	