

ISO 50001:2018 (E)

Energy management systems — Requirements with guidance for use

Contents

	Foreword
	Introduction
1	Scope
2	Normative references
3	Terms and definitions
3.1	Terms related to organization
3.2	Terms related to management system
3.3	Terms related to requirement
3.4	Terms related to performance
3.5	Terms related to energy
4	Context of the organization
4.1	Understanding the organization and its context
4.2	Understanding the needs and expectations of interested parties
4.3	Determining the scope of the energy management system
4.4	Energy management system
5	Leadership
5.1	Leadership and commitment
5.2	Energy policy
5.3	Organization roles, responsibilities and authorities
6	Planning
6.1	Actions to address risks and opportunities
6.2	Objectives, energy targets and planning to achieve them
6.3	Energy review
6.4	Energy performance indicators
6.5	Energy baseline
6.6	Planning for collection of energy data
7	Support
7.1	Resources
7.2	Competence
7.3	Awareness
7.4	Communication
7.5	Documented information
7.5.1	General
7.5.2	Creating and updating
7.5.3	Control of documented information
8	Operation
8.1	Operational planning and control
8.2	Design
8.3	Procurement
9	Performance evaluation
9.1	Monitoring, measurement, analysis and evaluation of energy performance and the EnMS
9.1.1	General
9.1.2	Evaluation of compliance with legal requirements and other requirements

9.2	Internal audit
9.3	Management review
10	Improvement
10.1	Nonconformity and corrective action
10.2	Continual improvement
Annex A (informative) Guidance for use	
A.1	General
A.2	Relationship between energy performance and the EnMS
A.3	Clarification of terminology
A.4	Context of the organization
A.5	Leadership
A.5.1	Leadership and commitment
A.5.2	Energy policy
A.5.3	Organization roles, responsibilities and authorities
A.6	Planning
A.6.1	Actions to address risks and opportunities
A.6.2	Objectives, energy targets and planning to achieve them
A.6.3	Energy review
A.6.4	Energy performance indicators
A.6.5	Energy baseline
A.6.6	Planning for collection of energy data
A.7	Support
A.7.1	Resources
A.7.2	Competence
A.7.3	Awareness
A.7.4	Communication
A.7.5	Documented information
A.8	Operation
A.8.1	Operational planning and control
A.8.2	Design
A.8.3	Procurement
A.9	Performance evaluation
A.9.1	Monitoring, measurement, analysis and evaluation for energy performance and the EnMS
A.9.2	Internal audit
A.9.3	Management review
A.10	Improvement

Annex B (informative) Correspondence between ISO 50001:2011 and ISO 50001:2018

Page count: 30