

ISO 50009:2021-03 (E)

Energy management systems - Guidance for implementing a common energy management system in multiple organizations

Contents

Page

Foreword	v
Introduction	vi
1 Scope	1
2 Normative references	1
3 Terms, definitions and abbreviated terms	1
3.1 Terms related to organization	1
3.2 Terms related to management system	2
3.3 Terms related to requirement	3
3.4 Terms related to performance	5
3.5 Terms related to energy	7
3.6 Abbreviated terms	8
4 Context of the energy management group	9
4.1 Understanding the energy management group and its context	9
4.2 Understanding the needs and expectations of interested parties	9
4.2.1 General	9
4.2.2 Understanding the legal requirements and other requirements	10
4.3 Determining the scope of the common energy management system	10
4.3.1 Establishing the scope of the common energy management system	10
4.3.2 Changes to the composition of the energy management group	11
4.4 Energy management system	11
5 Leadership	12
5.1 Leadership and commitment	12
5.1.1 Top management of each constituent organization	12
5.1.2 Energy management committee	12
5.2 Common energy policy	14
5.3 Organizational roles, responsibilities and authorities	14
6 Planning	15
6.1 Actions to address risks and opportunities	15
6.2 Objectives, energy targets and planning to achieve them	15
6.3 Energy review	16
6.4 Energy performance indicators	17
6.5 Energy baseline	18
6.6 Planning for collection of energy data	18
7 Support	18
7.1 Resources	18
7.2 Competence	19
7.3 Awareness	19
7.4 Communication	19
7.5 Documented information	19
8 Operation	20
8.1 Operational planning and control	20
8.2 Design	20
8.3 Procurement	20
9 Performance evaluation	20
9.1 Monitoring, measurement, analysis and evaluation of energy performance and the EnMS	20

9.1.1	General.....	20
9.1.2	Actions to improve energy performance by constituent organizations	21
9.1.3	Evaluation of compliance with legal requirements and other requirements.....	21
9.2	Internal audit.....	21
9.3	Management review	22
10	Improvement.....	22
10.1	Nonconformity and corrective action	22
10.2	Continual improvement by constituent organizations.....	22
Annex A (informative) Roles and responsibilities of the energy management committee		24
Annex B (informative) Examples of energy management groups and common energy management systems		26
Bibliography		29