



نقشه راهنمای تغییرات بندهای الزامات استاندارد ISO 50001:2018 به ISO 50001:2011

ISO 50001:2011

ISO 50001:2018

Introduction			Introduction
Scope	1	1	Scope
Normative references	2	2	Normative references
Terms and definitions	3	3	Terms and definitions
		4	Context of the organization
		4.1	Understanding the organization and its context
Energy management system requirements	4		
General requirements	4.1	4.3	Determining the scope of the energy management system
		4.4	Energy management system
Management responsibility	4.2	5.1	Leadership and commitment
Top management	4.2.1	4.3	Determining the scope of the energy management system
		5.1	Leadership and commitment
		7.1	Resources
Management representative	4.2.2	5.1	Leadership and commitment
		5.3	Organization roles, responsibilities and authorities
Energy policy	4.3	5.2	Energy policy
Energy planning	4.4	6	Planning
General	4.4.1	6.1	Actions to address Risks and Opportunities
Legal requirements and other requirements	4.4.2	4.2	Understanding the needs and expectations of interested parties
Energy review	4.4.3	6.3	Energy review
		6.1	Actions to address Risks and Opportunities
Energy baseline	4.4.4	6.5	Energy baseline
Energy performance indicators	4.4.5	6.4	Energy performance indicators
Energy objectives, energy targets and energy management action plans	4.4.6	6.2	Objectives, energy targets and planning to achieve them
Implementation and operation	4.5	7	Support
		8	Operations



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General	4.5.1		
Competence, training and awareness	4.5.2	7.2	Competence
		7.3	Awareness
Communication	4.5.3	7.4	Communications
		7.4.1	General
		7.4.2	Internal communication
		7.4.3	External communication
Documentation	4.5.4	7.5	Documented information
		7.5.1	General
		7.5.2	Creating and updating
		7.5.3	Control of documented information
Operational control	4.5.5	8.1	Operations planning and control
Design	4.5.6	8.2	Design
Procurement of energy services, products, equipment and energy	4.5.7	8.3	Procurement
Checking	4.6	9	Performance evaluation
Monitoring measurement and analysis	4.6.1	9.1	Monitoring, measurement, analysis and evaluation of energy performance and the EnMS
		6.6	Planning for collection of energy data
Evaluation of compliance	4.6.2	9.1.2	Evaluation of legal and other requirements
Internal audit of the EnMS	4.6.3	9.2	Internal EnMS audit
Nonconformities, correction, corrective action and preventive action	4.6.4	10.1	Nonconformity and corrective action
Control of records	4.6.5	7.5	Documented information
Management review	4.7	9.3	Management review
		10	Improvement (title only)
		10.2	Continual improvement

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