

ISO 50001:2011-06 (E)

Energy management systems - Requirements with guidance for use

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Energy management system requirements	5
4.1	General requirements	5
4.2	Management responsibility	5
4.2.1	Top management	5
4.2.2	Management representative	6
4.3	Energy policy	6
4.4	Energy planning	6
4.4.1	General	6
4.4.2	Legal requirements and other requirements	7
4.4.3	Energy review	7
4.4.4	Energy baseline	7
4.4.5	Energy performance indicators	8
4.4.6	Energy objectives, energy targets and energy management action plans	8
4.5	Implementation and operation	8
4.5.1	General	8
4.5.2	Competence, training and awareness	8
4.5.3	Communication	9
4.5.4	Documentation	9
4.5.5	Operational control	10
4.5.6	Design	10
4.5.7	Procurement of energy services, products, equipment and energy	10
4.6	Checking	11
4.6.1	Monitoring, measurement and analysis	11
4.6.2	Evaluation of compliance with legal requirements and other requirements	11
4.6.3	Internal audit of the EnMS	11
4.6.4	Nonconformities, correction, corrective action and preventive action	12
4.6.5	Control of records	12
4.7	Management review	12
4.7.1	General	12
4.7.2	Input to management review	12
4.7.3	Output from management review	13
Annex A (informative) Guidance on the use of this International Standard		14
and ISO 22000:2005		20
Bibliography		22