DIN EN ISO 50001:2011-12 (E)

Energy management systems - Requirements with guidance for use (ISO 50001:2011)

Contents

Page

Foreword 3

Introduction 4

1 Scope 6

2 Normative references 6

3 Terms and definitions 6

4 Energy management system requirements 10
4.1 General requirements 10
4.2 Management responsibility 10
4.2.1 Top management 10
4.2.2 Management representative 11
4.3 Energy policy 11
4.4 Energy planning 11
4.4.1 General 11
4.4.2 Legal requirements and other requirements .....
4.4.3 Energy review 12
4.4.4 Energy baseline 12
4.4.5 Energy performance indicators 13
4.4.6 Energy objectives, energy targets and energy management action plans 13
4.5 Implementation and operation 13
4.5.1 General 13
4.5.2 Competence, training and awareness 13
4.5.3 Communication 14
4.5.4 Documentation 14
4.5.5 Operational control 15
4.5.6 Design 15
4.5.7 Procurement of energy services, products, equipment and energy 15
4.6 Checking 16
4.6.1 Monitoring, measurement and analysis 16
4.6.2 Evaluation of compliance with legal requirements and other requirements 16
4.6.3 Internal audit of the EnMS 16
4.6.4 Nonconformities, correction, corrective action and preventive action 17
4.6.5 Control of records 17
4.7 Management review 17
4.7.1 General 17
4.7.2 Input to management review 17
4.7.3 Output from management review 18

Annex A (informative) Guidance on the use of this International Standard 19

Annex B (informative) Correspondence between ISO 50001:2011, ISO 9001:2008, ISO 14001:2004 and ISO 22000:2005 25

Bibliography 2