ISO 50002-1:2025-06 (E)

Energy audits - Part 1: General requirements with guidance for use

Contents

Page

Foreword ... **iv**

Introduction ... **v**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Principles of energy auditing ... **6**
4.1 General ... 6
4.2 Competency ... 6
4.3 Confidentiality ... 6
4.4 Objectivity ... 6
4.5 Access to equipment, resources and information ... 6
4.6 Evidence-based approach ... 6
4.7 Risk-based approach ... 7
4.8 Communication ... 7

5 Performing an energy audit ... **7**
5.1 General ... 7
5.2 Planning ... 8
5.3 Opening meeting ... 10
5.4 Data collection ... 11
5.5 Measurement plan ... 12
5.6 Site visit ... 13
5.7 Analysis ... 14
5.7.1 General ... 14
5.7.2 Analysis of current energy performance ... 14
5.7.3 Identification of energy performance improvement opportunities ... 14
5.7.4 Evaluation of energy performance improvement opportunities ... 15
5.7.5 Prioritization of energy performance improvement actions ... 15
5.8 Reporting ... 16
5.8.1 General ... 16
5.8.2 Report content ... 16
5.9 Closing meeting ... 17

6 Competence of the energy auditor ... **18**
6.1 General ... 18
6.2 Generic competence of energy auditors ... 18
6.2.1 General ... 18
6.2.2 Energy audit principles, processes and methods ... 18
6.2.3 Energy audit standards and other references ... 18
6.2.4 Organization and its context ... 19
6.2.5 Applicable legal requirements and other requirements ... 19
6.3 Energy specific competence of energy auditors ... 19
6.4 Generic competence of a lead energy auditor ... 20

Annex A (informative) **Guidance on the use of this document** ... **21**

Annex B (informative) **Applicability of this document to other International Standards** ... **32**

Annex C (informative) **Sampling** ... **36**

Bibliography ... **37**