



ISO 50003

Energy management systems

Requirements for bodies
providing audit and
certification of energy
management systems

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ISO/TC 242, *Energy management*

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Executive summary

- This International Standard specifies requirements for competence, consistency and impartiality in the auditing and certification of energy management systems (EnMS) for bodies providing these services.
- This International Standard addresses the auditing process (in particular additional requirements necessary for the audit planning process, the initial certification audit and conducting of the on-site audit), competence requirements for personnel involved in the certification process for energy management systems, the duration of audits and multi-site sampling.
- This International Standard is intended to be used in conjunction with ISO/IEC 17021:2011, and provides additional requirements reflecting the specific technical area of an EnMS needed to assure the effectiveness of the audit and certification.

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information.

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ISO 50003 was prepared by Technical Committee ISO/TC 242, *Energy management*, in collaboration with the *ISO Committee on conformity assessment* (CASCO).

Introduction

This International Standard is intended to be used in conjunction with ISO/IEC 17021:2011. At the time of publication of this International Standard, ISO/IEC 17021:2011 is under revision and is to be cancelled by replaced by ISO/IEC 17021-1. For the purposes of this International Standard, ISO/IEC 17021:2011 and ISO/IEC 17021-1 are considered to be equivalent. Upon publication of ISO/IEC 17021-1, all references in this International Standard to ISO/IEC 17021:2011 will be considered to be references to ISO/IEC 17021-1.

In addition to the requirements of ISO/IEC 17021:2011, this International Standard specifies requirements reflecting the specific technical area of energy management systems (EnMS) that are needed to ensure the effectiveness of the audit and certification. In particular, this International Standard addresses the additional requirements necessary for the audit planning process, the initial certification audit, conducting the on-site audit, auditor competence, duration of EnMS audits, and multi-site sampling.

[Clause 4](#) describes the characteristics of EnMS auditing, [Clause 5](#) describes EnMS auditing process requirements and [Clause 6](#) describes competence requirements for personnel involved in the EnMS certification process. [Annexes A, B and C](#) provide additional information to complement ISO/IEC 17021:2011. This International Standard deals with energy management system audits for certification purposes, but it does not deal with energy audits whose purpose is to establish a systematic analysis of energy consumption and energy use and which are defined in ISO 50002.

1 Scope

This International Standard specifies requirements for competence, consistency and impartiality in the auditing and certification of energy management systems (EnMS) for bodies providing these services. In order to ensure the effectiveness of EnMS auditing, this International Standard addresses the auditing process, competence requirements for personnel involved in the certification process for energy management systems, the duration of audits and multi-site sampling.

This International Standard is intended to be used in conjunction with ISO/IEC 17021:2011. The requirements of ISO/IEC 17021:2011 also apply to this International Standard.

2 Normative references

The following referenced documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 17021:2011¹⁾, *Conformity assessment — Requirements for bodies providing audit and certification of management systems*

ISO 50001, *Energy management systems — Requirements with guidance for use*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 50001 and ISO/IEC 17021:2011 and the following apply.

3.1

audit evidence

records, statements of fact or other information which are relevant to the audit criteria and verifiable

Note 1 to entry: Audit evidence can be qualitative or quantitative.

3.2

central office

location or network of local offices or branches (sites) of a multi-site organization, at which EnMS activities are fully or partially planned, controlled or managed

Note 1 to entry: The central office is not necessarily the headquarters or a single location.

3.3

EnMS effective personnel

people who actively contribute to meeting the requirements of an EnMS

Note 1 to entry: EnMS effective personnel contribute to the requirements of the EnMS within the scope and boundaries for establishing, implementing or maintaining energy performance improvements.

1) To be revised by ISO/IEC 17021-1.