SVENSK STANDARD
SS-ISO 50003:2021

Energiledningssystem – Krav för organisationer som tillhandahåller revision och certifiering av ledningssystem för energiledningssystem (ISO 50003:2021, IDT)

Energy management systems – Requirements for bodies providing audit and certification of energy management systems (ISO 50003:2021, IDT)

Svenska Institutet för Standarder

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Denna standard är såld av
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allmänna upplysningar om svensk och utländsk standard.
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Svenska Institutet för Standarder

Den här standarden kan hjälpa dig att effektivisera och kvalitetssäkra ditt arbete. SIS har fler tjänster att erbjuda dig för att underlätta tillämpningen av standarder i din verksamhet.

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Skriv till kundservice@sis.se, besök sis.se eller ring 08 - 555 523 10

Upplysningar om sakinnehållet i standarden lämnas av Svenska institutet för standarder, telefon 08 - 555 520 00. Standarder kan beställas hos SIS som även lämnar allmänna upplysningar om svensk och utländsk standard.

Standarden är framtagen av kommittén för Effektiv energianvändning, SIS/TK 558.

Har du synpunkter på innehållet i den här standarden, vill du delta i ett kommande revideringsarbete eller vara med och ta fram andra standarder inom området? Gå in på www.sis.se - där hittar du mer information.

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Den internationella standarden ISO 50003:2021 gäller som svensk standard. Detta dokument innehåller den officiella engelska versionen av ISO 50003:2021.

Denna standard ersätter SS-ISO 50003:2017, utgåva 1

The International Standard ISO 50003:2021 has the status of a Swedish Standard. This document contains the official English version of ISO 50003:2021.

This standard supersedes the SS-ISO 50003:2017, edition 1

Svenska Institutet för Standarder

LÄSANVISNINGAR FÖR STANDARDER

I dessa anvisningar behandlas huvudprinciperna för hur regler och yttre begränsningar anges i standardiseringsprodukter.

Krav
Ett krav är ett uttryck i ett dokuments innehåll som anger objektivt verifierbara kriterier som ska uppfyllas och från vilka ingen avvikelse tillåts om efterlevnad av dokumentet ska kunna åberopas.
Krav uttrycks med hjälpverbet ska (eller ska inte för förbud).

Rekommendation
En rekommendation är ett uttryck i ett dokuments innehåll som anger en valmöjlighet eller ett tillvägagångssätt som bedöms vara särskilt lämpligt utan att nödvändigtvis nämna eller utesluta andra.
Rekommendationer uttrycks med hjälpverbet bör (eller bör inte för avrådanden).

Instruktion
Instruktioner anges i imperativ form och används för att ange hur något görs eller utförs. De kan underordnas en annan regel, såsom ett krav eller en rekommendation. De kan även användas självständigt, och är då att betrakta som krav.

Förklaring
En förklaring är ett uttryck i ett dokuments innehåll som förmedlar information. En förklaring kan uttrycka tillåtelse, möjlighet eller förmåga. Tillåtelse uttrycks med hjälpverbet får (eller motsatsen behöver inte). Möjlighet och förmåga uttrycks med hjälpverbet kan (eller motsatsen kan inte).

READING INSTRUCTIONS FOR STANDARDS

These instructions cover the main principles for the use of provisions and external constraints in standardization deliverables.

Requirement
A requirement is an expression, in the content of a document, that conveys objectively verifiable criteria to be fulfilled, and from which no deviation is permitted if conformance with the document is to be claimed. Requirements are expressed by the auxiliary shall (or shall not for prohibition).

Recommendation
A recommendation is an expression, in the content of a document, that conveys a suggested possible choice or course of action deemed to be particularly suitable, without necessarily mentioning or excluding others. Recommendations are expressed by the auxiliary should (or should not for dissuasion).

Instruction
An instruction is expressed in the imperative mood and is used in order to convey an action to be performed. It can be subordinated to another provision, such as a requirement or a recommendation. It can also be used independently and is then to be regarded as a requirement.

Statement
A statement is an expression, in the content of a document, that conveys information. A statement can express permission, possibility or capability. Permission is expressed by the auxiliary may (its opposite being need not). Possibility and capability are expressed by the auxiliary can (its opposite being cannot).

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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 of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 301, *Energy management and energy savings*, in collaboration with the ISO Committee on conformity assessment (CASCO).

This second edition cancels and replaces the first edition (ISO 50003:2014), which has been technically revised. The main changes compared with the previous edition are as follows:

— the definitions have been updated to include the audit time, the duration of the audit and terms related to multi-site audits;

— the phrase "maintained documented information" has been used to represent procedures, work instructions or other forms of documents that provide the who, what, when, how or why information;

— the phrase "retained documented information" or "record of audit evidence" has been used to represent records that demonstrate or provide evidence of the execution of a requirement;

— the structure has been updated to align with ISO/IEC 17021-1:2015;

— the phrase "man-days" has been changed to "audit days";

— for audit day calculations, the number of energy types have been changed to those that comprise at least 80 % of total consumption;

— the weighted values for complexity have been modified;

— the sampling requirements for multi-site EnMS have been updated;

— the use of IAF MD documents as they relate to Annexes A and B has been clarified;

— the information on EnMS effective personnel has been clarified in A.2;

— Tables A.3 and A.4 have been modified to refer to audit time rather than the duration of the audit;

— the technical areas have been removed and requirements for technical competency added.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

This document is intended to be used in conjunction with ISO/IEC 17021-1:2015.

In addition to the requirements of ISO/IEC 17021-1:2015, this document specifies requirements for the specific technical area of energy management systems (EnMS) that are needed to ensure the effectiveness of the audit and certification, while supporting the efforts of the organization to continually improve energy performance including energy efficiency, energy use and energy consumption, and the EnMS. In particular, this document addresses the additional requirements necessary for the audit process. It covers the planning process, the initial certification audit, conducting the on-site audit, auditor competence, audit time and multi-site sampling. The structure of this document follows that of ISO/IEC 17021-1:2015. Annexes A and B are normative while Annexes C and D provide additional information to complement ISO/IEC 17021-1:2015.

This document deals with EnMS audits for certification purposes, but it does not deal with energy audits where the purpose is to establish a systematic analysis of energy consumption and energy use, and which are defined in ISO 50002.

In this document, the following verbal forms are used:

— “shall” indicates a requirement;

— “should” indicates a recommendation;

— “may” indicates a permission;

— “can” indicates a possibility or a capability.

In this document, references to the word “site” can be taken as either singular, meaning one permanent site (physical or virtual) or temporary site (physical or virtual), or can be plural, meaning more than one permanent site or temporary site, unless otherwise specified.

Energy management systems — Requirements for bodies providing audit and certification of energy management systems

1 Scope

This document specifies requirements for competence, consistency and impartiality in the auditing and certification of ISO 50001 energy management systems (EnMS) for bodies providing these services. In order to ensure the effectiveness of EnMS auditing, this document addresses the auditing process, the competence requirements for the personnel involved in the certification process for EnMS, the audit time and multi-site sampling.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC 17021-1:2015, *Conformity assessment — Requirements for bodies providing audit and certification of management systems — Part 1: Requirements*

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