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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 29456-2025

**Energy management systems - Guidance for the
implementation, maintenance and improvement of a GB/T 23331
energy management system**

能源管理体系 实施、保持和改进GB/T 23331能源管理体系指南
(English Translation)

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Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents" Drafting.

This document replaces GB/T 29456-2012 "Guidelines for the Implementation of Energy Management Systems". Compared with GB/T 29456-2012, except for the structure in addition to adjustments and editorial changes, the main technical changes are as follows.

- a) Added content about the environment in which the organization operates (see Chapter 4);
- b) Added leadership content (see Chapter 5);
- c) Changed the "Energy Policy" (see Chapter 5, 4.3 of the 2012 edition);
- d) The planning content has been changed (see Chapter 6, 4.4 of the 2012 edition);
- e) The supporting content has been changed (see Chapter 7, 4.5 of the 2012 edition);
- f) The operation content has been changed (see Chapter 8, 4.5 of the 2012 edition);
- g) The content of performance evaluation has been changed (see Chapter 9, 4.6 of the 2012 edition);
- h) The improvement content has been modified (see Chapter 10, 4.6.4 of the 2012 edition).

This document is equivalent to ISO 50004:2020 "Implementation, maintenance and improvement of energy management systems ISO 50001 Energy Management System guide".

The following minimal editorial changes were made to this document.

--- In order to coordinate with the existing standards, the name of the standard is changed to "Implementation, maintenance and improvement of energy management system GB/T 23331 Energy Management System Guidelines for Management Systems.

Introduction

This document provides practical guidance when implementing the requirements of an energy management system based on GB/T 23331. It provides organizations with a systematic approach to achieving continual improvement of the EnMS and energy performance. This document is not mandatory. Each organization can decide it is recommended that users use this document together with GB/T 23331 and its annexes.

This document provides guidance to users with different levels of experience in energy management, energy consumption and EnMS.

Explains how organizations can apply the relevant parts of their energy management system and provides practical tools, methods, strategies and examples to help organizations. The examples and methods provided in this document are for illustrative purposes only. They do not represent the only possibilities and may not be suitable for every organization. When implementing, maintaining or improving an energy management system, it is important to choose the one that suits its needs.

Methods are crucial to an organization.

When energy management is integrated into the overall business processes/processes of the organization (operations, finance, quality, maintenance, human resources, procurement, health, safety and Energy management is sustainable and most effective when it protects the environment.

GB/T 23331 can be integrated with other management system standards, such as GB/T 19001, GB/T 24001, GB/T 45001 and GB/T 33173. This integration can have a positive impact on corporate culture and business operations, integrating energy management into daily practice and improving Operational efficiency and reduction of management system-related operating costs. The common high-level structure of management system standards supports this integration.

The continued commitment and involvement of top management is essential for the effective implementation, maintenance and improvement of the EnMS and for achieving sustained energy performance.

Top management ensures that the energy management system is aligned with the strategic direction of the organization and demonstrates its effectiveness through leadership actions.

Commitment ensures ongoing resource allocation, including personnel, to implement, maintain and improve the energy management system over the long term.

Implementation, maintenance and improvement of energy management system GB/T 23331 Energy Management System Guide

1 Scope

This document provides implementation guidelines for establishing, implementing, maintaining and improving an energy management system based on the system approach of GB/T 23331-2020.

Guidance and examples. This document is applicable to any organization.

This document does not provide guidance on how to establish an integrated management system.

The guidelines in this document are consistent with the requirements of GB/T 23331-2020 and do not propose additional requirements.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document.

For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to this document.

GB/T 23331-2020 Energy management system requirements and use guide (ISO 50001:2018, IDT)

3.1 Terms and Definitions

The terms and definitions defined in GB/T 23331-2020 apply to this document.

3.2 Abbreviations

EnB. energy baseline GHG. Greenhouse gas HLS. High level structure PDCA. Plan-Do-Check-Act PESTLE. political, economic, social, technological, legal, environmental (environmental) SWOT. strengths, weaknesses, opportunities, threats TDODAR. time, diagnosis, options, decide, act/assign, review)