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

GB/T 23331-2020

Replacing GB/T 23331-2012

Energy management system requirements and guidelines

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard replaces GB/T 23331-2012 "Energy Management System Requirements", compared with GB/T 23331-2012, except for editorial amendments

The main technical changes are as follows.

---Adopt the requirements of ISO management system standards, including high-level structure, the same core text, common terms and definitions;

---Modified terms and definitions;

---Reorganized the text structure and wording;

---Optimized the integration with the strategic management process;

---Strengthen the role of top management;

---Clarified the related content of energy type exclusion, energy review requirements, energy performance parameters and energy benchmarks;

---Introduced the concept of "normalization" of energy performance parameters and related energy benchmarks;

---Added the content of energy data collection planning and related requirements.

The translation method used in this standard is equivalent to ISO 50001:2018 "Energy Management System Requirements and Guidelines for Use".

This standard has made the following editorial changes.

---Deleted part of the annotations related to the source of the terminology;

---Deleted some comments that have nothing to do with the application in my country;

--- Some remarks have been added as necessary.

This standard was proposed by the National Development and Reform Commission of the People's Republic of China and the National Standardization Management Committee.

This standard is under the jurisdiction of the National Energy Foundation and Management Standardization Technical Committee (SAC/TC20).

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Fang Electronics Co., Ltd.

0.1 General

This standard aims to help organizations establish the necessary systems and processes to continuously improve energy performance, including energy efficiency, energy use and

energy

Consumption. This standard specifies the energy management system requirements of the organization. The successful implementation of the energy management system

?. The establishment of an energy conservation culture depends on the commitment of all levels of the organization, especially the top management, and is integrated with the corporate culture.

This standard applies to all activities under the control of the organization. According to the specific requirements of the organization, including the complexity of the system and the degree of documentation

And available resources, and use this standard appropriately. This standard applies to facilities, equipment, systems, or energy-consuming facilities within the scope and boundaries of the energy management system.

Process design and procurement. This standard does not apply to the use of products outside the scope and boundaries of the organization's energy management system, nor does it apply to facilities,

Product design outside of equipment, systems, and energy use processes.

The establishment and implementation of an energy management system, including energy policies, targets, energy indicators, and energy efficiency, energy use and energy consumption

Relevant measures and plans must also meet applicable laws, regulations and other requirements. Energy management systems can help organizations set and implement

Now target and energy indicators, take necessary measures to improve its energy performance, and verify that its system meets the requirements of this standard.

0.2 Energy performance approach

This standard provides requirements for systematic, data-oriented and fact-based processes, focusing on continuous improvement of energy performance. Energy performance is the basis

A key element in the concept proposed by the standard is to ensure that effective and measurable results are continuously obtained. Energy performance is related to energy efficiency

Rate, energy use, and energy consumption related concepts. Energy performance parameters and energy benchmarks are two interrelated elements proposed by this standard.

Used to verify the improvement of the organization's energy performance.