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

GB/T 24001-2016

Replacing GB/T 24001-2004

**Environmental management systems -- Requirements with
guidance for use
(English Translation)**

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Foreword

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

This standard instead of GB/T 24001-2004 "environmental management system requirements and the use of guidelines", compared with GB/T 24001-2004, in addition to editorial changes outside the main technical changes are as follows.

- the use of the ISO/IEC Guidelines Part 1 Annex SL in the high-end structure;

- modified terms and definitions;

- put forward the thinking of strategic environmental management;

- the use of risk-based thinking;

Strengthen the role of leadership;

- Commitment from pollution prevention to protection of the environment;

- Emphasize the integration of the environmental management system into the organization's business processes;

- more emphasis on improving environmental performance;

- explicitly require the use of life cycle perspective;

- refine the internal and external information exchange requirements;

- more emphasis on compliance obligations;

- The requirements for documented information are more flexible.

This standard uses the translation method equivalent to ISO 14001.:2015 "Environmental Management System Requirements and Use Guide" (English version).

This standard is proposed by the National Environmental Management Standardization Technical Committee (SAC/TC207).

The main drafting of this standard. China Standardization Research Institute, China Certification Center Co., Ltd., radius logo certification Group Co., Ltd., China Quality Certification Center, China National Accreditation Center for Conformity Assessment, National Institute of Certified Technology Certification, China Certification and Accreditation Association, Tianjin World Albert CHAN Technology Co., Ltd., Quality Assurance Center Quality Assurance Center, China Classification Society Quality Certification Company, Baoshan Iron & Steel Co., Ltd., Haier Group, Guangzhou Automobile Honda Automobile Co., Ltd., Suzhou High-tech Zone Administrative Committee, SAIC Volkswagen Automobile Co., Ltd., Nanjing Mint Co., Ltd.

0.1 Background

In order to meet the needs of contemporary people without compromising the ability of future generations to meet their needs, it is necessary to realize environmental, social and economic balance. By balancing the sustainability of the "three pillars" in order to achieve sustainable development goals.

With the increasing rigor of laws and regulations, as well as due to pollution, inefficient use of resources, improper waste management, climate change, ecosystem degradation, the pressures on the environment are increasing as a result of biodiversity reduction, and the expectations of society for sustainable development, transparency and accountability have taken place Variety.

As a result, organizations use environmental management systems to implement environmental management systems, with a view to sustainable management of "environmental pillars" Make a contribution.

0.2 The purpose of the environmental management system this standard is intended to provide a framework for organizations to protect the environment, respond to changing environmental conditions while maintaining a balance with socio-economic needs.

This standard specifies the requirements of the environmental management system so that the organization can achieve the desired results of its established environmental management system.

The systematic approach to environmental management provides information to top managers through long-term success by promoting sustainable Create an optional program.

- Prevent or mitigate adverse environmental impacts to protect the environment;

- mitigate the potential adverse effects of environmental conditions on the organization;
- to help the organization fulfill its compliance obligations;
- enhance environmental performance;
- the use of life-cycle perspective to control or influence the organization's products and services in the design, manufacture, delivery, consumption and disposal of Enough to prevent environmental impacts from being inadvertently transferred to other stages of the life cycle;
- the implementation of environmentally friendly, and can consolidate the organizational status of the market options to obtain financial and operating income;
- Communicate environmental information with relevant parties.

This standard does not attempt to increase or change the legal requirements of the organization.

0.3 Success factors

The successful implementation of the environmental management system depends on the commitment of the organizations at all levels and functions under the leadership of the highest manager. Organization can use machine such as those with strategic and competitive opportunities to prevent or mitigate adverse environmental impacts and enhance beneficial environmental impacts. by Integrate environmental management into the organization's business processes, strategic direction and decision-making processes, harmonize with other business priorities, and integrate the environment Management into the organization's comprehensive management system, the top managers will be able to effectively deal with their risks and opportunities. Successful implementation of this standard can be achieved the interested parties have established that the organization has established an effective environmental management system.

However, the use of this standard does not in itself guarantee the best possible environmental results. The application of this standard may vary depending on the environment in which the organization is located and there are differences. The two organizations may engage in similar activities, but may have different compliance obligations, environmental policy commitments, use different Environmental technologies, and have different environmental performance objectives, but they are likely to meet the requirements of this standard.

The details and complexity of the environmental management system will depend on the circumstances in which the organization is located, the scope of its environmental management system, its compliance obligations, and the nature of their activities, products and services, including their environmental factors and associated environmental impacts.

0.4 Planning - Implementation - Inspection - Improved Mode

The approach to the environmental management system is based on the concept of planning, implementation, inspection and improvement (PDCA). The PDCA model is available for the organization A progressive process to achieve continuous improvement. This model can be applied to the environmental management system and each of its individual elements. The the model can be summarized as follows.

- planning. establishing the required environmental objectives and processes to achieve results consistent with the organization's environmental policy;
 - implementation. the implementation of the planning process;
 - Check. Monitor and measure the process according to the environmental policy (including its commitments), environmental objectives and operational guidelines, and report result;
- Improvements. Take measures to keep improving.

Figure 1 shows how the structure used in this standard incorporates the PDCA model, which helps new and existing users understand the system

The importance of law.

Figure 1 Relationship between PDCA and the structure of this standard

0.5 The contents of this standard this standard conforms to ISO requirements for management system standards. These requirements include a high-level structure, the same core text, and a There are core definitions of the general terms, the purpose is to facilitate the implementation of a number of users ISO management system standards.

This standard does not contain requirements for other management systems, such as quality, occupational health and safety, energy or financial management. However, this standard to enable organizations to integrate their environmental management systems with the requirements of other management systems using a common approach and risk-based thinking.

This standard includes requirements required for compliance evaluation. Any organization that wishes can be demonstrated by the following manner consistent with this standard.

- self-evaluation and self-declaration;
- to seek the relevant parties (eg, customers), to confirm their compliance;
- the identification of the self-declaration by the external organization seeking the organization;

Seek external organizations to certify or register their environmental management systems.

Appendix A provides explanatory information to prevent misinterpretation of the