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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 33174-2022

Replacing GB/T 33174-2016

Asset management - Management systems - Guidelines for the application of GB/T 33173

Issued on: December 30, 2022 **Implemented on: December 30, 2022**

Issued by: State Administration for Market Regulation, China National Standardization Administration

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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.

GB/T 33172 "Asset Management Overview, Principles and Terminology", GB/T 33173 "Asset Management System Requirements" and this document

Together they constitute a national standard system that supports the work of the asset management system.

This document replaces GB/T 33174-2016 "Asset Management System GB/T 33173 Application Guidelines", and GB/T 33174-

Compared with.2016, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

a) Added an explanation of the items in the "foundation" (value, unity, leadership and assurance) of GB/T 33172, added

The role of the requirements of GB/T 33173 in achieving these "basis";

b) Modified the application of the management system requirements given in GB/T 33173 in the field of asset management covered by this document;

c) Added related references between clauses, and marked the source of the references;

d) Added "value" to asset management (see appendix A), asset management system scope definition (see appendix B), strategic asset management plan

planning (see appendix C), asset management decision-making (see appendix D), risk management (see appendix E), financial and non-financial functions in asset management

The relationship between performance (see appendix F), recommendations for implementing asset management system standards for small enterprises (see appendix G) and other appendices.

This document is equivalent to ISO 55002.2018 "Guide to the Application of ISO 55001 for Asset Management System".

The following minimal editorial changes have been made to this document.

--- Added normative references to GB/T 27021.5 and GB/T 33173.

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

0.1 Overview

This document follows the requirements of GB/T 33173-2016 and provides the management system for asset management (referred to as "asset management system")

application guide.

This document provides explanatory text intended to clarify the requirements specified in GB/T 33173-2016, and provides

Various examples implemented in this document. This document does not provide guidance on managing specific asset types.

This document provides application guidelines for.

a) Personnel involved in the establishment, implementation, operation, maintenance and improvement of the asset management system;

b) those involved in the implementation of asset management activities, including service providers.

GB/T 33172-2016 provides general information on asset management and terms applicable to this document.

0.2 Assets, asset management and asset management system

Assets are resources that have potential or actual value to an organization. Through asset management, organizations can take advantage of

Realize value with assets. The asset management system is used to organize, direct, coordinate and control asset management activities.

Note. Any organization can establish an asset management system, including sole proprietorship companies, corporate bodies, commercial banks, enterprises and institutions, government agencies, joint ventures, charitable/research institutions, etc.

Research institutions or parts or groups of such organizations, whether limited by shares, public or private. For example, an organization could be an asset owner, guardian, or

operator, service provider, affiliate, alliance or joint venture.

The asset management system, asset management and asset portfolio should be coordinated to support the realization of organizational goals and organizational plans.

The formulation of organizational goals is usually part of the planning activities at the strategic level of the organization, and is given in the form of documented information in the organizational plan.

out organizational goals. Organizational objectives constitute an important part of the asset management system environment and are the starting point for establishing asset management objectives.

By understanding the organizational context, an organization can design, implement, and maintain its asset management system, asset management, and assets in alignment with the organization's purpose, purpose, and

The needs and requirements of the standard and related parties are consistent.

The asset management system includes.

a) asset management policy (see 5.2);

b) asset management objectives (see 6.2);

c) Strategic Asset Management Plan (SAMP);

d) asset management plan (see 6.2.2);

e) supportive activities (see Chapter 7);

f) operational planning and control (see Clause 8), including the processes and procedures used to manage assets throughout the life cycle of the asset portfolio;

g) performance evaluation (see Chapter 9);

h) improvement activities (see Clause 10);

i) guidance on how to link with other relevant policies, processes and management systems.

Figure 1 shows the relationship between the key elements of the asset management system and the relationship with the relevant provisions of GB/T 33173-2016.

Note 1.To avoid excessive complexity, only the main connection points are shown.

Note 2.This figure is not intended to repeat the difference between asset management and asset management system, but to show the direction of force through the connection point view.

Figure 1 The relationship between the key elements of the asset management system

0.3 Structure of this document

This document provides guidance for implementing the asset management system requirements specified in GB/T 33173-2016.To this end, this document follows the

GB/T 33173-2016 has a similar structure, order of clauses and sub-clauses (the sub-clauses in Chapter 6 and Chapter 10 are not strictly consistent). This article

The document distinguishes between assets and asset portfolios, asset management and asset management systems where relevant. 2.4.3 of GB/T 33172-2016

The relationship between these three concepts is explained. The asset management system is used to organize, direct, coordinate and control asset management activities so that the organization

and their related parties to realize value from assets. When using GB/T 33173-2016, it is very important to be aware of this relationship.

For example, the organization should distinguish between the monitoring and evaluation of the asset portfolio, asset management and asset management system, and distinguish between the monitoring and evaluation of the continuous improvement process at each level.

Use of different types of monitoring and evaluation results. Accordingly, this document elaborates that organizations should distinguish between assets and asset portfolios, asset management

management and asset management system to ensure that the application of GB/T 33173-2016 helps realize value from asset portfolios.

In addition, this document deals with several topics related to the effective implementation of asset management, but it is not related to the specific provisions of GB/T 33173-2016

Clause (sub-clause) is irrelevant.

Asset management is a collaborative activity in which an organization utilizes assets to realize value (see 3.3.1 of GB/T 33172-2016), although GB/T 33173-