

ICS 03.100.01
CCS A 00



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

GB/T 33172-2016

Asset management -- Overview, principles and terminology

资产管理 综述、原则和术语

(English Translation)

Issued on: October 13, 2016

Implemented on: May 1, 2017

**Issued by: General Administration of Quality Supervision, Inspection and
Quarantine of the People's Republic of China**

Table of Contents

Preface

Introduction

1 Scope

Foreword

GB/T 33172, GB/T 33173 and GB/T 33174 together constitute a series of national standards to support the establishment of asset management system.

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

This standard uses the translation method equivalent to ISO 55000.:2014 "Asset Management Overview, Principles and Terminology".

This standard is proposed and centralized by China Standardization Research Institute.

The drafting of this standard. China Institute of Standardization, State Grid Beijing Economic and Technological Research Institute, Inner Mongolia Mengniu Dairy (Group) Co., Ltd. limited Company, China Quality Certification Center, China Classification Society Quality Certification Company, CNPC Pipeline Materials and Equipment Corporation, CNOOC Safety Technology Services Limited, China Information Security Certification Center, Dongdian Wanwei Technology (Beijing) Co., Ltd., Shanghai Jiu Road Information Technology Co., Ltd., Shanghai Rongshi Information Technology Co., Ltd., the new Technology (Beijing) Co., Ltd., Dongguan City, the new fulcrum of Science and Technology Services Limited, Guangzhou City Standardization Institute, Standardization and Quality Research Institute of Hubei Province, "China Standardization" magazine limited company.

Introduction

Purpose of 0.1

This standard is a review of asset management and asset management systems (ie, management of assets by means of a management system) GB/T 33173 and GB/T 33174.

These standards are developed in the form of international cooperation, which represent the most widely used, the most widely organized and the most extensive Common practice.

0.2 Relationship with other standards

GB/T 33173, GB/T 33174 and this standard related to the management of assets used in the management system, in these three standards will be referred to as "Asset management system".

GB/T 33173, GB/T 33174 and this standard with any industry or any asset type of asset management standards and technical specifications Supporting the use of. GB/T 33173 specifically stated the requirements of the asset management system, and GB/T 33174 standard details the specific Domain, specific assets or specific activities, or how to interpret GB/T 33173 and apply it to specific industry or asset types Provide guidance.

0.3 Applicable organization

The organizations to which this standard applies include.

- the ability to improve the organization's value in terms of its assets;
- participation in the establishment, implementation, maintenance and improvement of the asset management system;
- Participate in the planning, design, implementation and review of asset management activities of the parties and service providers.

0.4 The role of this series of standards Application of GB/T 33173, GB/T 33174 and this standard can guide the organization through its assets for effective and efficient management, Promote and ensure that the organization's long-term sustainable realization of its own goals.

Appendix A provides additional information on areas related to asset management activities.

Appendix B describes the relationship between the key elements of the asset management system.

Asset management reviews, principles and terminology

1 Scope

This standard reviews the expected benefits of asset management and its guidelines, terminology, and asset management.

This standard applies to all types of assets and to all types and sizes of organizations.

Note 1: This standard is intended to manage physical assets, but this is not limited to the use of other types of assets.

Note 2: This standard does not provide financial, accounting or technical guidance on the

management of specific asset types.

Note 3: In the GB/T 33173, GB/T 33174 and the "asset management system" refers to the management system for the management of assets.

Asset Management

2.1 General

The factors that affect the type of asset and asset management required to achieve its goals include.

The nature and objectives of the organization;

--- the environment in which the organization operates;

- the financial constraints and regulatory requirements of the organization;

- the needs and expectations of the organization and its stakeholders.

These factors need to be taken into account in the establishment, implementation, maintenance and continuous improvement of asset management.

Effective control and control of assets is essential to help organizations improve their ability to manage risks and opportunities to achieve the organization's own Value of the target, and then achieve the organization in terms of cost, risk and performance expectations balance. The organization's management environment and legal environment will continue to make it faces a variety of challenges, and various types of assets to the organization brought about by the potential risks will continue to change.

When the basic principles of asset management and asset management systems proposed in this standard are incorporated into a broader management and risk framework, can bring significant benefits and opportunities to the organization.

By adopting a risk-based approach, asset management transforms organizational goals into asset-related decisions, plans, and activities.

2.2 Benefits of asset management

Asset management enables an organization to realize the value of an asset while achieving its goals (see 2.5.3.4). The composition of values depends on the organization Objectives, nature, purpose, and the needs and expectations of the parties concerned. Asset management helps to balance the financial, environmental and social aspects associated with assets this, risk, quality of service and performance while achieving value.

The benefits of asset management include, but are not limited to.

a) Improve financial performance. Improve investment returns and reduce under the premise of maintaining asset value without deviating from short-term or long-term

organizational objectives cost.

b) Provide information for asset investment decisions. enable organizations to improve decision-making and effectively balance costs, risks, opportunities and performance.

c) Managing Risks. Reducing Financial Loss, Improving Health and Safety, Goodwill and Reputation, Reducing Environmental and Social Negative Effects Small, and ultimately able to reduce liabilities (such as insurance, fines and penalties, etc.).

d) Improve services and outputs. Ensure the performance level of the asset and improve the service or product to continue to meet or exceed the customer and related Side of the expectation.

e) show social responsibility. to improve the organization in energy saving, emission reduction, climate change and other aspects of the ability to show social responsibility and integrity management