



International  
Standard

**ISO 55001**

**Asset management — Asset  
management system —  
Requirements**

*Gestion d'actifs — Systèmes de gestion d'actifs — Exigences*

**Second edition  
2024-07**

奥邦检验认证集团

奥邦检验认证集团公示用途

奥

奥邦检验认证集团公示用途



**COPYRIGHT PROTECTED DOCUMENT**

© ISO 2024

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office  
CP 401 • Ch. de Blandonnet 8  
CH-1214 Vernier, Geneva  
Phone: +41 22 749 01 11  
Email: [copyright@iso.org](mailto:copyright@iso.org)  
Website: [www.iso.org](http://www.iso.org)

Published in Switzerland

奥邦检验认证集团公示用途

# Contents

	Page
<b>Foreword</b> .....	<b>v</b>
<b>Introduction</b> .....	<b>vi</b>
<b>1 Scope</b> .....	<b>1</b>
<b>2 Normative reference</b> .....	<b>1</b>
<b>3 Terms and definitions</b> .....	<b>1</b>
<b>4 Context of the organization</b> .....	<b>5</b>
4.1 Understanding the organization and its context.....	5
4.2 Understanding the needs and expectations of stakeholders.....	5
4.3 Determining the scope of the asset management system.....	5
4.4 Asset management system.....	5
4.5 Asset management decision-making.....	5
4.5.1 Framework.....	5
4.5.2 Criteria.....	6
4.5.3 Methods, processes and tools.....	6
<b>5 Leadership</b> .....	<b>6</b>
5.1 Leadership and commitment.....	6
5.2 Asset management policy.....	7
5.3 Roles, responsibilities and authorities.....	7
<b>6 Planning</b> .....	<b>8</b>
6.1 Actions to address risks and opportunities.....	8
6.1.1 General.....	8
6.1.2 Actions to address risk.....	8
6.1.3 Actions to address opportunities.....	8
6.2 Asset management objectives and planning to achieve them.....	9
6.2.1 Strategic asset management plan (SAMP).....	9
6.2.2 Asset management objectives.....	9
6.2.3 Planning to achieve asset management objectives.....	10
6.3 Planning of changes.....	10
<b>7 Support</b> .....	<b>10</b>
7.1 Resources.....	10
7.2 Competence.....	11
7.3 Awareness.....	11
7.4 Communication.....	11
7.5 Documented information.....	12
7.5.1 General.....	12
7.5.2 Creating and updating documented information.....	12
7.5.3 Control of documented information.....	12
7.6 Data and information.....	13
7.7 Knowledge.....	13
<b>8 Operation</b> .....	<b>13</b>
8.1 Operational planning and control including life cycle management.....	13
8.2 Control of change.....	14
8.3 Externally provided processes, products, technologies and services.....	14
<b>9 Performance evaluation</b> .....	<b>15</b>
9.1 Monitoring, measurement, analysis and evaluation.....	15
9.2 Internal audit.....	15
9.2.1 General.....	15
9.2.2 Internal audit programme.....	15
9.3 Management review.....	16
9.3.1 General.....	16
9.3.2 Management review inputs.....	16

# ISO 55001:2024(en)

9.3.3	Management review results.....	16
<b>10</b>	<b>Improvement</b> .....	<b>16</b>
10.1	Continual improvement.....	16
10.2	Nonconformity and corrective action.....	17
10.3	Predictive action.....	17
	<b>Bibliography</b> .....	<b>18</b>

奥邦检验认证集团公示用途

奥邦检验认证集团公示用途

奥邦检验认证集团公示用途

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO document should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see [www.iso.org/directives](http://www.iso.org/directives)).

ISO draws attention to the possibility that the implementation of this document may involve the use of (a) patent(s). ISO takes no position concerning the evidence, validity or applicability of any claimed patent rights in respect thereof. As of the date of publication of this document, ISO had not received notice of (a) patent(s) which may be required to implement this document. However, implementers are cautioned that this may not represent the latest information, which may be obtained from the patent database available at [www.iso.org/patents](http://www.iso.org/patents). ISO shall not be held responsible for identifying any or all such patent rights.

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

This document was prepared by Technical Committee ISO/TC 251, *Asset management*.

This second edition cancels and replaces the first edition (ISO 55001:2014), which has been technically revised.

The main changes are as follows:

- application of the Harmonized Structure for Management System Standards, which includes the incorporation of the common core management system terminological entries in [Clause 3](#);
- inclusion of new subclauses dealing with asset management decision-making, the strategic asset management plan and knowledge;
- making clear that operational planning and control includes life cycle management;
- making a clear distinction between how an organization shall address “risk” and how it shall address “opportunities”;
- renaming the subclause “preventive action” to “predictive action” and full technical revision of the content of this subclause (see [10.3](#));
- a stronger emphasis on leadership and its role in supporting the enablement and success of the asset management system.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at [www.iso.org/members.html](http://www.iso.org/members.html).

## Introduction

This document specifies requirements for the establishment, implementation, operation, maintenance and improvement of a management system for asset management, referred to as an “asset management system”.

This document can be used by any organization of any size and type. The organization determines to which of its assets this document applies, taking into account its legal, regulatory and contractual requirements. This document can be applied to all types of assets both physical and non-physical.

This document is primarily intended for use by:

- those involved in the establishment, implementation, operation, maintenance and improvement of an asset management system;
- those contracted or involved in delivering asset management activities and service providers;
- internal and external parties involved in assessing an organization’s ability to meet asset management system requirements.

The order in which requirements are presented in this document does not reflect their importance nor imply the order in which they are to be implemented.

General information on asset management, and information on the terminology applicable to this document, is provided in ISO 55000.

Further guidance regarding the application of the requirements in this document is provided in ISO 55002.

Additional guidance on specific elements of the asset management system as specified in this document is provided in ISO/TS 55010 (alignment between financial and non-financial functions of the organization), ISO 55012 (people involvement and competence) and ISO 55013 (management of asset data).

Guidance on development of public policy to enable asset management is provided in ISO 55011.

There are some important principles associated with asset management, including:

- value: asset management focuses on the value assets provide to the organization over time;
- alignment: asset management aligns financial, technical and operational decisions with the organizational objectives, promoting vertical and horizontal coordination;
- leadership: leadership and sustained commitment at all levels are crucial for successful asset management.

The primary outcomes of asset management are the realization of value and the achievement of organizational objectives. There are also some characteristics that result from the implementation of a systematic approach to asset management, including the following:

- assurance: asset management provides better organizational oversight and accountability;
- adaptability: asset management enables organizations to adapt more rapidly and effectively to changes in internal and external context;
- sustainability: asset management promotes long-term thinking, considering future impacts, risks, uncertainties and opportunities to realize value.

This document has been prepared using the Harmonized Structure for ISO Management System Standards (i.e. identical clause numbers, clause titles, text and common terms and core definitions) intended to enhance alignment among Management System Standards and to facilitate their combined and integrated implementation. This document is therefore designed to enable an organization to align and integrate its asset management system with related management system requirements.



国际标准

资产管理 资产管理体系 要求

**ISO 55001**

第二版

**2024-07**

奥邦检验认证集团

奥邦检验认证集团公示用途

奥邦检验认证集团公示用途



### 受版权保护的文件

©ISO 2024

版权所有。除非另有规定，或在其实施的背景下要求，未经事先书面许可，不得以任何形式或以任何方式复制或利用本出版物的任何部分，包括电子或机械，包括复印，或张贴在互联网或内部网上。可以向以下地址的ISO或申请人所在国家的ISO成员机构申请许可。

ISO版权局

CP 401•Ch. de blandonnet 8

CH-1214 Vernier, 日内瓦

电话: +41227490111

电子邮件: [copyright@iso.org](mailto:copyright@iso.org)

网站: [www.iso.org](http://www.iso.org) 瑞

瑞士出版

## 目录

	页面
前言.....	v
引言.....	vi
1 范围.....	1
2 规范性引用文件.....	1
3 术语和定义.....	1
4 组织环境.....	5
4.1了解组织及其环境.....	5
4.2理解利益相关者的需求和期望.....	5
4.3确定资产管理体的范围.....	5
4.4资产管理体系.....	5
4.5资产管理决策.....	5
4.5.1框架.....	5
4.5.2标准.....	6
4.5.3方法、过程和工具.....	6
5 领导作用.....	6
5.1领导作用与承诺.....	6
5.2资产管理方针.....	7
5.3角色、职责和权限.....	7
6 策划.....	8
6.1应对风险和机遇的措施.....	8
6.1.1总则.....	8
6.1.2应对风险的行动.....	8
6.1.3应对机遇的行动.....	8
6.2资产管理目标和实现目标的策划.....	9
6.2.1战略性资产管理策划 (SaMP).....	9
6.2.2资产管理目标.....	9
6.2.3实现资产管理目标的策划.....	9
6.3变更策划.....	9
7 支持.....	10
7.1资源.....	10
7.2能力.....	11
7.3意识.....	11
7.4沟通.....	11
7.5形成文件的信息.....	12
7.5.1总则.....	12
7.5.2创建和更新形成文件的信息.....	12
7.5.3文件化信息的控制.....	12
7.6数据和信息.....	12
7.7知识.....	13
8 运行.....	13
8.1运行策划和控制, 包括生命周期管理.....	13
8.2变更的控制.....	13
8.3外部提供的过程、产品、技术和服务.....	13
9 绩效评价.....	15
9.1监视、测量、分析和评价.....	15
9.2内部审核.....	15
9.2.1总则.....	15
9.2.2内部审核程序.....	15
9.3管理评审.....	15
9.3.1总则.....	16
9.3.2管理评审输入.....	16

ISO 55001:2024 (en)

9.3.3管理评审结果.....	16
<b>10改进</b> .....	<b>16</b>
10.1持续改进.....	16
10.2不符合和纠正措施.....	17
10.3预测措施.....	17
<b>参考书目</b> .....	<b>18</b>

奥邦检验认证集团公示用途

奥邦检验认证集团公示用途

奥邦检验认证集团公示用途

## 前言

ISO（国际标准化组织）是一个由各国标准机构（ISO成员机构）组成的世界性联盟。制定国际标准的工作通常是通过ISO技术委员会进行的。对所设立的技术委员会的主题感兴趣的每个成员团体都有权派代表参加该委员会。与ISO保持联系的国际组织，包括政府和非政府组织，也参与了这项工作。ISO与国际电工委员会（IEC）在所有电工标准化问题上密切合作。

ISO/IEC指令第1部分描述了用于开发本文件和进一步维护本文件的程序。特别是，应注意不同类型的ISO文件所需的不同的批准标准。本文件是根据ISO/IEC指令第2部分的编辑规则起草的（见[www.iso.org/directives](http://www.iso.org/directives)）。

ISO提请注意本文件的实施可能涉及使用(a)项专利。ISO对任何声称的专利权的证据、有效性或适用性不采取任何立场。截至本文件发布之日，ISO尚未收到实施本文件可能需要的专利通知。然而，实现者需要注意，这可能不代表最新的信息，这些信息可以从[www.iso.org/patents](http://www.iso.org/patents)的专利数据库中获得。ISO不负责识别任何或所有此类专利权。

本文件中使用的任何商品名称都是为方便用户而提供的信息，并不构成背书。

有关标准自愿性的解释，ISO与合格评定相关的特定术语和表达的含义，以及有关ISO遵守世界贸易组织（WTO）技术贸易壁垒（TbT）原则的信息，请参阅[www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html)。

本文件由ISO/Tc 251资产管理技术委员会编写。

第二版取消并取代了第一版（ISO 55001:2014），第一版在技术上进行了修订。

主要变化如下：

- 管理体系标准协调结构的应用，包括在第3条中纳入共同核心管理体系术语条目；
- 包括涉及资产管理决策、战略性资产管理策划和知识的新条款；
- 明确运营策划和控制包括生命周期管理；
- 明确区分组织应如何应对“风险”和应如何应对“机遇”；
- 将子条款“预防措施”重命名为“预测措施”，并对本条款内容进行全面技术修订（见10.3）；
- 更加强调领导作用及其在支持资产管理体系实施和成功中的作用。

对本文件的任何反馈或问题应直接向用户所在的国家标准机构提出。一个这些机构的完整列表可以在[www.iso.org/members.html](http://www.iso.org/members.html)上找到。

## 引言

本文件规定了资产管理管理体系（简称“资产管理体系统”）的建立、实施、运行、维护和完善的要求。

任何规模和类型的组织都可以使用本文件。组织应在考虑其法律、法规和合同要求的情况下，确定本文件适用于其哪些资产。本文件适用于所有类型的有形和非有形资产。

本文件主要供以下人员使用：

- 参与资产管理体系统的建立、实施、运行、维护和改进的人员；
- 签约或参与交付资产管理活动的人员和服务提供者；
- 参与评估组织满足资产管理体系统要求的能力的内部和外部各方。

本文件中提出要求的顺序并不反映其重要性，也不暗示其实施的顺序。

ISO 55000 提供了资产管理的一般信息，以及适用于本文件的术语信息。

ISO 55002 提供了关于本文件中要求应用的进一步指导。

ISO/TS 55010（组织的财务和非财务职能之间的一致性）、ISO 55012（人员参与和能力）和ISO 55013（资产数据管理）提供了本文件中规定的关于资产管理体系统特定要素的附加指南。

ISO 55011 提供了制定公共政策以实现资产管理的指导。

有一些与资产管理相关的重要原则，包括：

- 价值：资产管理关注的是资产随着时间的推移为组织提供的价值；
- 一致性：资产管理使财务、技术和运营决策与组织目标保持一致，促进纵向和横向协调；
- 领导作用：各级的领导作用和持续承诺对成功的资产管理至关重要。

资产管理的主要成果是价值的实现和组织目标的实现。实施系统的资产管理方法也会产生一些特征，包括以下几点：

- 保证：资产管理提供更好的组织监督和问责；
- 适应性：资产管理使组织能够更快、更有效地适应内外部环境的变化；
- 可持续性：资产管理促进长期思维，考虑未来的影响、风险、不确定性和实现价值的机会。

本文件采用ISO管理体系标准协调结构（即相同的条款编号、条款标题、文本以及通用术语和核心定义）编写，旨在加强管理体系标准之间的一致性，并促进其合并和综合实施。因此，本文件旨在使组织能够使其资产管理体系统与相关的管理体系要求保持一致并进行整合。

如需获取全文，请联系奥邦检验认证集团客户服务部门：

1) 通过邮件提出申请。请发送到邮箱：[17312273399@163.com](mailto:17312273399@163.com)

2) 也可通过客服电话咨询 **025-85307007**。