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

GB/T 36450.1-2026

Replacing GB/T 36450.1-2018

**Information technology - Storage management - Part 1:
Overview**

信息技术 存储管理 第1部分：概述

(English Translation)

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This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 1 of GB/T 36450 "Information Technology - Storage Management". GB/T 36450 has the following parts published.

---Part 1: Overview;

---Part 2: General Architecture;

---Part 3: General Profile;

---Part 4: Block Devices;

---Part 5: File System;

---Part 6: Exchange Structures;

---Part 7: Host Elements;

---Part 8: Media Library this document replaces GB/T 36450.1-2018 "Information Technology Storage Management Part 1: Overview", and is consistent with GB/T 36450.1-2018, aside from structural adjustments and editorial changes, the main technical changes are as follows.

- a) The documentation was modified to resolve the code issue (see the introduction, Chapter 4 of the 2018 edition);
- b) All method descriptions and their related references have been removed (see 6.3 in the 2018 version);
- c) The configuration file version and related text have been changed (see 5.2, 6.7, and 6.2 and 7.7 in the 2018 version);
- d) Change "Sub-configuration file" to "Configuration file" (see 6.6, 6.7, and 7.6 and 7.7 in the 2018 version);
- e) The term "Instruction" was changed to "DMTF Instruction," and all relevant clauses were updated (see 6.7.2.2, 6.7.3.1, 6.7.5.1, 7.1, 2018).

Versions 7.7.1.2, 7.7.2.1, 7.7.2.2, 7.7.4.1, and 8.1).

This document is equivalent to ISO/IEC 24775-1:2021 "Information technology storage management - Part 1: Overview".

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

---The figure numbers in ISO/IEC 24775-1:2021 are not consecutive; Figures 5 to 10 in this document correspond to Figures 7 to 12 in the original document.

---Change "CIM/XML" to "CIM-XML".

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed and is under the jurisdiction of the National Information Technology Standardization Technical Committee (SAC/TC28).

Introduction

0.1 Explanation of the text structure of GB/T 36450 GB/T 36450 "Information Technology Storage Management" is a recommended standard to guide the standardization of storage management in my country, aiming to unify...

The standard management interface solves the problems of interoperability of products from multiple vendors and the management of distributed storage systems that are cross-regional and multifunctional.

GB/T 36450 "Information Technology Storage Management" is based on ISO/IEC 24775 and is planned to consist of eight parts.

---Part 1: Overview. This section aims to provide a high-level introduction to key concepts, which is essential for understanding GB/T 36450 "Information Technology".

This forms an important foundation for the detailed content of the "Technology Storage Management" standard.

---Part 2: General Architecture. The aim is to establish a general transmission model to facilitate communication of management information between various components of the management system.

The document provides information and outlines the design rules for this general transmission model, as well as the roles and responsibilities of each component in using the model.

---Part 3: General Outline. The aim is to establish a unified solution for storage management across multiple autonomous management profiles.

Other system configuration files are also supported.

---Part 4: Block Devices. The purpose is to establish configuration interfaces for the security, scalability, and interoperability of storage management systems.

The interface supports the management of devices and subsystems in different environments through object-oriented, XML-based, and information-transfer protocol design.

System requirements.

---Part 5: File System. The purpose is to establish autonomous management configuration files for programs and devices, and to provide support for file data.

The core functional requirements for holding and accessing.

---Part 6: Switching Architecture. The aim is to establish the autonomous management configuration files for the programs and devices that support storage networking.