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

GB/T 48000.1-2025

Standard digitalization - Part 1: General guidelines

标准数字化 第1部分：通用指南

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Foreword

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 48000 "Standards Digitalization". GB/T 48000 has already published the following parts.

1. General Guidelines 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 Standards Digitalization Standardization Working Group (SAC/SWG29). This document was drafted by: China National Institute of Standardization, Zhejiang University, China Electronics Technology Standardization Institute, and Tongfang Knowledge Network Digital Technology Co., Ltd. Limited Liability Company, Qingdao Dagang Customs of the People's Republic of China, Guangzhou Xingsen Fast Circuit Technology Co., Ltd., National Unified Social Credit Code Code Data Service Center, Shandong Provincial Computing Center (National Supercomputing Center in Jinan), Jiangsu Zhongtian Technology Co., Ltd., Civil Aviation Administration of China Information Network Co., Ltd., China Electric Power Research Institute Co., Ltd., Tsinghua University, Shandong Port Qingdao Port Group Co., Ltd., China Quality Standards Publishing & Media Co., Ltd., China Communications Infrastructure Maintenance Group Co., Ltd., Hubei Provincial Institute of Standardization and Quality, China Changfeng Electromechanical Technology Research and Design Institute, China Aerospace Standardization Institute, China Association for Standardization, Beijing University of Posts and Telecommunications, China Jiliang University, New Hope Group Liuhe Co., Ltd., China Electronics Engineering Design Institute Co., Ltd., State Grid Siji Digital Technology (Beijing) Co., Ltd., Siemens (China) Co., Ltd., China Southern Power Grid Science Research Institute Co., Ltd., Beijing Zhongchenghui Standardization Technology Institute, Ningbo Municipal Institute of Standardization Shenzhen Technology University, Zhongshan Shenzhong Standards and Quality Research Center, China Railway Zhengzhou Bureau Group Co., Ltd., China Mobile (Hangzhou) Information Technology Co., Ltd. Limited Liability Company, China Academy of Launch Vehicle Technology, Shenzhen Sihe Technology Co., Ltd. The main drafters of this document are. Wang Yiyi, Liu Xize, Gu Xinjian, Niu Nana, Yin Qingyun, Chen Liyang, Zhu He, Gao Jianguo, and Zhang Bingyan. Liang Haifeng, Ge Yongxin, Sun Zhen, Li Min, Deng Tao, Ru Peng, Xu Bin, Li Yuanzhen, Chen Shuangquan, Chen Yanming, Li Chunxue, Xu Lei, Zheng Yanfeng, Li Qing Xu Xincheng, Li Yixuan, Tao Longfei, Gu Fu, Sun Yue, Wang Sining, Ma Jiafei, Sun Jinyang, Lin

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With the advancement of the digital, networked, and intelligent transformation of the economy and society, the digitalization of standards has become an inevitable trend. To meet the needs of the new era... To meet the standardization needs of the current period and better leverage the role of standards, various entities have a need to carry out standard digitization activities. However, at present, there is a lack of open... Guidance documents for exhibition-related activities, providing guidance on how to identify the main aspects and priorities of standard digitization, rationally utilize key technologies, and create a complete standard. Provide rules for accurate activity records, etc. GB/T 48000 "Standard Digitalization" is a fundamental and universal standard for carrying out standard digitalization activities in my country, aiming to improve the standard digitalization system. The system for the conceptualization, development, and application of standards should be standardized and guided to ensure the orderly progress of standardization work, promote technical exchanges, and avoid duplication of related research. The project is planned to consist of six parts.

1. General Guidelines. The aim is to provide the overall principles and basic framework for conducting standardized digitization activities, and to clarify the standards for digitization. The main aspects of chemical activities, as well as recommended practices and key technologies.
2. Reference Architecture Model. The aim is to propose a reference architecture model to describe standard digitization activities, and to support standard digitization. The system architecture and activity boundaries are clearly and visually expressed, providing reference and guidance for the planning and organization of related activities.
3. Ontology Modeling Requirements. The aim is to provide a unified knowledge system for standard digitization activities, thus providing a basis for standard digitization activities. Provides a structured representation to ensure the accuracy and interoperability of standard digitization.
4. Collaborative Development Requirements. The aim is to establish relevant rules for collaborative standard development in standard digitization activities, ensuring that standards... Collaborate to develop standardized procedures for carrying out the work.
5. Maturity Assessment. The aim is to provide a standardized, digitized maturity assessment system, proposing assessment indicators, procedures, and methods. Laws, etc.
6. Organization and Process Management. The aim is to provide procedures and methods for organizing and managing the processes of conducting standardized digitalization activities. Laws, etc. This document is Part 1 of GB/T 48000, providing general guidance and instructions for carrying out standard digitization activities, and clarifying concepts and... The guidelines provide direction, while the other sections further clarify and refine the

rules related to the main content of this document. The main purpose of standard digitization is... While digital technology can improve the efficiency and quality of standardization, its introduction also presents certain risks. To mitigate risks, all entities should determine the scope and content of their activities based on their own needs, so as to fully realize the benefits of digital standardization while avoiding risks. Standards Digitalization Part

1 Scope

GB/T 48000.1-2025 is the Chinese national standard covering making standards machine-readable - the levels from a PDF to a fully executable document, the structure and metadata at each level, the identifiers for clauses and requirements, and the path an existing standard takes to get there. First edition, and it is the umbrella over the machine language expression series GB/T 46687 and the knowledge graph series GB/T 46686. In force from 1 May 2026. Issued on 5 October 2025, it has been in force since 1 May 2026.

This document establishes the general principles and basic framework for carrying out standards digitization activities, and provides guidance on the digitization of standards content, processes, and... The document provides guidance and suggestions on digital applications and related information. This document applies to individuals, organizations, institutions, and other entities conducting standard digitization activities.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 20000.1 Guidelines for Standardization Work - Part

3 Terms and Definitions

The terms and definitions defined in GB/T 20000.1 and the following terms and definitions apply to this document.

3.1 standard Standardization activities, conducted through consensus and following prescribed procedures, provide rules, guidelines, or characteristics for various activities or their outcomes. Files that are used together and reused. [Source: GB/T 20000.1-2014, 5.3]

3.2 digital technology Using computers, networks, and communications, data and information are transformed into digital form for display, storage, processing, transmission, and use. A type of technology.