

ICS 01.120
CCS A 00



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

GB/T 48000.4-2026

**Standard digitalization - Part 4: Requirements for collaborative
development**

标准数字化 第4部分：协同制定要求

Issued on: January 28, 2026

Implemented on: August 1, 2026

**Issued by: State Administration for Market Regulation;
Standardization Administration of the PRC**

Table of Contents

1	Scope
1.1	Standardization Work Guidelines Part
2	Normative references
3	Terms and Definitions
4	General Requirements
4.1	Overview
4.2	Collaborative Environment
4.3	Data Management
4.4	Process Management
4.5	Safety Management
5	Stakeholder Roles
5.1	Role Definition
5.2	Role Permissions
5.3	Role Collaboration
6	Development Process
6.1	Overview
6.2	Preparatory Stage
6.3	Project Initiation Stage
6.4	Drafting Stage
6.5	Consultation Phase
6.6	Technical Review Stage
6.7	Approval and Release Stage
6.8	Publication Stage
6.9	Review Stage
8	References

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 4 of GB/T 48000, "Digitalization of Standards". GB/T 48000 has already published the

following parts.

1.General Guidelines;

2.Reference Architecture Model;

3.Ontology Modeling Requirements;

4.Collaboratively Developing Requirements. 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, China Association for Standardization, and the Institute of Analysis and Testing, Beijing Academy of Science and Technology. (Beijing Physical and Chemical Analysis and Testing Center), Shandong Provincial Institute of Standardization, Ningbo University, Shandong Provincial Computing Center (National Supercomputing Center in Jinan) (Heart), Zhejiang University, National Standards and Technology Review Center of the State Administration for Market Regulation, China Civil Aviation Information Network Co., Ltd., China Quality Standards Publishing & Media Co., Ltd., China Academy of Building Research Co., Ltd., China Aerospace Standardization Institute, Shandong Port Group Co., Ltd. Island Port Group Co., Ltd., Guangdong Provincial Institute of Standardization, Qingdao Fangtian Technology Co., Ltd., China Electric Power Research Institute Co., Ltd. Qingdao Zhongxin Huamei Plastics Co., Ltd., China Jiliang University, Beijing Sihe Technology Co., Ltd., State Grid Anhui Electric Power Co., Ltd. Power Department The institute includes the Academy of Medical Sciences, the Affiliated Provincial Hospital of Shandong First Medical University (Shandong Provincial Hospital), and China Automotive Engineering Research Institute Co., Ltd. The main drafters of this document are. Niu Nana, Wang Yiyi, Liu Xize, Zheng Yanfeng, Chen Ting, Yang Fengjiang, Zhan Hongfei, Sun Jinyang, Wang Bo, and Jia Yuqing. Gu Fu, Li Yuanzhen, Zhang Bingyan, Qu Jing, Sun Hongjun, Li Zonghe, Xu Bin, Li Gang, Hu Wei, Yang Feng, Deng Tao, Gao Jianguo, Li Yixuan, Xu Xinsheng Hong Penghui, Ji Chang'an, Zhai Hong, Liu Kai.

With the advancement of the digital, networked, and intelligent transformation of the economy and society, the digitalization of standards has become an inevitable trend. Various entities need to... We need to independently carry out standard digitization activities to meet the needs of standardization work in the new era and better leverage the role of standards. However, at present, there is a lack of openness... 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 the 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 determine the construction methods and requirements for standard ontologies in standard digitization activities, and to provide a unified approach. A unified conceptual framework ensures 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 4 of GB/T 48000, which further elaborates on the rules related to collaborative development activities in Part 1, "Process Digitalization". The steps need to be clarified and refined. Currently, collaborative development has become one of the trends in international standardization work, with the International Organization for Standardization (ISO) and the International Electrotechnical Commission (IEC) also involved. The International Electron Standards Commission (IEC) jointly developed an online standards development (OSD) platform, which will be fully implemented in January 2025, aiming to facilitate online collaboration. This document aims to meet the needs of relevant experts, simplify the drafting and compilation process of international standards, and improve the accuracy and efficiency of the standards development process. The drafting process referenced the OSD platform's collaborative rules and incorporated my country's standardization document development procedures and practices, with a focus on how to utilize data... The technology enables the online collaborative development of standardized documents. The development of standardized documents involves different stages and stakeholders; therefore, when considering how to achieve online collaborative development through digital technology, it is necessary to... The

needs of each stage of the activities and stakeholders must be considered. For example, how to build a collaborative environment that enables all relevant parties in the standards development process to... This document aims to establish a system for collaborative participation; how to enable drafters to focus on the technical content of the standard without worrying about its format, etc. The rules for online collaborative development activities provide a basis for the online collaborative development of standardization documents in my country. Standards Digitalization Part

1 Scope

GB/T 48000.4-2026 is the Chinese national standard covering writing standards as machine-readable documents from the start, collaboratively - the working platform, the versioning and comment resolution, the structured content model and the roles in a committee that now edits a database rather than a Word file. Part 4 of the series, first edition. It is standards about standards themselves are made. It was issued on 28 January 2026 and has been in force since 1 August 2026, as a first edition. The document is under the responsibility of the Standardization Administration of China. This page is published from the official record of the 2026 edition; the clause text of a standard this recent is not yet in circulation, and the figures, limits and tables it contains are those of the document itself, delivered in full with the English translation.

This document specifies the general requirements for collaborative environment, data management, process management, and security management in standards collaborative development activities, as well as the requirements for... Specific requirements regarding the roles of relevant parties and the standard-setting process. This document applies to online collaborative standard-setting activities conducted primarily by standardization technical organizations in a digital environment. For other situations, please refer to [reference needed]. Test and use.

Note. Collaborative standard development activities are divided into development and revision. Without causing confusion, "development" in this document means "development and/or revision".

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

3 Terms and Definitions