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GB/T 46574-2025

**Intelligent computing - Platform operation requirements for the
internet of supercomputing**

智能计算 超算互联网平台运营要求

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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. 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 Intelligent Computing Standardization Working Group (SAC/SWG32). This document was drafted by: Sugon Intelligent Computing Information Technology Co., Ltd., Zhejiang Laboratory, National Supercomputing Center in Wuxi, and Tsinghua University. Sugon Information Industry (Beijing) Co., Ltd., Peking University, Beijing University of Aeronautics and Astronautics, National University of Defense Technology, Sun Yat-sen University, Shandong Computing Center Xin (National Supercomputing Center in Jinan), Chengdu Supercomputing Center Operation and Management Co., Ltd., Oriental Supercomputing (Shenzhen) Technology Co., Ltd., Xingyinxin Information Technology (Shanghai) Co., Ltd., State Grid Information & Communication Industry Group Co., Ltd., Hangzhou Dianzi University, Peking University Changsha Institute of Computing and Mathematics Digital Economy Research Institute, Kaiyuan Cloud (Beijing) Technology Co., Ltd., Ningchang Information Industry (Beijing) Co., Ltd., China Mobile (Suzhou) Software Technology Co., Ltd. The company, Shanxi Taihang Laboratory Co., Ltd., Shanghai Supercomputing Center, Shanghai University, Inspur Cloud

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1 Scope

GB/T 46574-2025 is the Chinese national standard covering operating the federated supercomputing platform - the service catalogue and the resource allocation, the availability and support commitments, the metering and settlement between centres, and the security of a shared national facility. First edition, with the reference architecture GB/T 46575-2025. Issued on 31 October 2025, it has been in force since 31 October 2025.

This document establishes the framework for the operation system of the supercomputing internet platform, and specifies the responsibilities for resource operation, product operation, process management, and operational data management. Requirements for management, user service, operations team building, and platform operation security. This document is applicable to operators of supercomputing internet platforms who are designing platform operation mechanisms and carrying out service operations, and is intended for relevant operators. Used by administrators and platform developers.

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 22239-2019 Information Security Technology - Basic Requirements for Network Security Level Protection

GB/T 31168-2023 Information Security Technology - Security Capability Requirements for Cloud Computing Services

GB/T 35273 Information Security Technology - Personal Information Security Specification

GB/T 46575-2025 Reference Architecture for Intelligent Computing, Supercomputing, and Internet

3 Terms and Definitions

The terms and definitions defined in GB/T 46575-2025, as well as the following terms and definitions, apply to this document.

3.1 Responsible for the platform's supercomputing resource access, daily maintenance, security management, performance optimization, service upgrades, user support, and product operation and promotion. Services that provide services such as supercomputing internet platform operation qualifications.

4. Abbreviations The following abbreviations apply to this document.

5 Overview

The supercomputing internet platform operation system framework mainly includes resource operation, product operation, process management, operation data management, and user services. The seven aspects include operations team building and platform operation security. The relationship between the supercomputing internet platform and its roles is shown in Figure 1.