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ICS 35.240
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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6484-2025

The capability requirements of high performance computing cloud platform

高性能计算（HPC）云平台能力要求

(English Translation)

Issued on: July 2, 2025 **Implemented on: November 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 6484-2025 was issued by Ministry of Industry and Information Technology on 2 July 2025 and has been in force since 1 November 2025.

The YD/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 15 pages in English translation.

2 Scope Preview

This standard specifies the capability requirements for high-performance computing (HPC) cloud platforms, covering basic resource capability requirements, platform capability requirements, application capability requirements, operation and maintenance management and security capability requirements, and platform performance requirements. This document classifies the capabilities of high-performance computing (HPC) cloud platforms and related tools into basic, enhanced, and advanced levels. This document also applies to cloud services, software products, and tools, i.e., solutions or tools provided to public users in public cloud services and hybrid cloud environments.

YD/T 6484-2025 falls under ICS 35.240, in the field of information technology.

This catalogue holds 725 other YD/T standards in that field.

In this catalogue, YD/T standards carry edition years from 1982 to 2026.

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3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

CJ/T 188-2018 - Technical requirements of utility meters data transmission

YDC 079-2009 - Technical Specifications and Testing Methods of Wireless LAN for Mobile Terminals

YD/T 6491-2025 - Technical requirements for data transmission of room temperature acquisition system based on NB-IoT for heating scenario

YD/T 6475-2025 - Technical requirements for DNS over quick UDP internet connections

5 Classification and status

International classification (ICS): 35.240

Chinese Standard Classification (CCS): L 78

Prefix YD/T: recommended standard.

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