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ICS 35.020
CCS L04

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6048-2024

Technical requirements and evaluation methods for data center computing power

数据中心算力技术要求和测评方法

(English Translation)

Issued on: October 24, 2024 **Implemented on: February 1, 2025**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6048-2024

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1 Foreword

YD/T 6048-2024 was issued by Ministry of Industry and Information Technology on 24 October 2024 and has been in force since 1 February 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 technical requirements for computing power access, computing power measurement, computing power scheduling, computing power operation, etc. of data centers, as well as computing power evaluation methods. This standard applies to data center planning, design, construction, operation and maintenance.

YD/T 6048-2024 falls under ICS 35.020, 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.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

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4 Related standards

Standards on related subjects:

GB/T 32910.3-2016 - Data centre - Resource utilization - Part 3: Energy usage effectiveness requirements and measuring methods

YD/T 983-2013 - Limits and methods of measurement of electromagnetic compatibility of telecommunicatin power supply equipment

YD/T 6775-2026 - Security technical requirements for white box switch

YD/T 5275-2026 - Green technical requirements of information and communication Engineering

YD/T 6049-2024 - Technical requirements and test methods for cold plate liquid cooling whole cabinet servers

5 Classification and status

International classification (ICS): 35.020

Chinese Standard Classification (CCS): L 04

Prefix YD/T: recommended standard.

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