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ICS 33.040.20
CCS M14

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4627-2023

Technical requirements for data center network intelligent management, control and operation and maintenance systems

数据中心网络智能管控及运维系统技术要求

(English Translation)

Issued on: December 20, 2023 **Implemented on: April 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4627-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 2024.

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 system architecture, functional architecture, data center network intent realization management, data center network intent assurance management and other functions and key processes of the data center network intelligent management and control and operation and maintenance system. This standard applies to the research, development and testing of intelligent management, control and operation and maintenance systems based on data center networks.

YD/T 4627-2023 falls under ICS 33.040.20, in the field of telecommunications.

This catalogue holds 3,420 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:

YZ/T 0173-2020 - Specifications for regulatory data access of intelligent mail and parcel locker and intelligent self-express service machine

YD/T 1730-2008 - Implementation Guide for Security Risk Assessment of Telecom Network and Internet

YD/T 1548.1-2007 - 2GHz WCDMA digital cellular mobile communication network terminal equipment testing method (second stage) - Part 1: Basic functions, operations and performance testing

YD/T 6704-2026 - Technical requirements for Mk interface of Quantum Key Distribution (QKD) network

YD/T 6551-2025 - Identification and resolution system for the Industrial Internet - The interface technical requirements for the recursive node

YD/T 6438-2025 - Technical requirements for control and management of Optical Service Unit (OSU) and fine grain Optical Transport Network (fgOTN) Based OTN

5 Classification and status

International classification (ICS): 33.040.20

Chinese Standard Classification (CCS): M 14

Prefix YD/T: recommended standard.

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