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ICS 01.040.33
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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6051-2024

Technical requirements for northbound interfaces of network controllers in metropolitan data centers

城域数据中心网络控制器北向接口技术要求

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 6051-2024 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 northbound open interface and related functional definitions of the data center network controller in the metropolitan area network, including the orchestration and control interface of various common business scenarios such as topology management, business management, and network operation and maintenance management. This standard is applicable to the development and design of the northbound interface of the network SDN controller applied in the metropolitan area network data center.

YD/T 6051-2024 falls under ICS 01.040.33, in the field of generalities, terminology and documentation.

This catalogue holds 85 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 6045-2024 - Computing Network - Technical requirements for computing power routing protocol

YD/T 6046-2024 - Computing Network - Technical requirements for computing network orchestration management

YD/T 6044-2024 - Computing Network - Technical requirements for computing power measurement and computing power modeling

5 Classification and status

International classification (ICS): 01.040.33

Chinese Standard Classification (CCS): L 78

Prefix YD/T: recommended standard.

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