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ICS 33.040.40
CCS L78

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6251-2024

Computing Network - Technical requirements for computing power routing protocol - BGP protocol extension

算力网络 算力路由协议技术要求 BGP协议扩展

(English Translation)

Issued on: December 10, 2024 **Implemented on: April 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 6251-2024 was issued by Ministry of Industry and Information Technology on 10 December 2024 and has been in force since 1 April 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 the extension of the Border Gateway Protocol (BGP) protocol in the computing power network, including the definition of computing power information and network information options supported by BGP, as well as the BGP message format and interaction process that supports computing power routing. This standard is applicable to the computing power network that implements computing power routing based on the BGP protocol.

YD/T 6251-2024 falls under ICS 33.040.40, 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:

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 6253-2024 - Technical requirements for software-defined wide area network (SD-WAN) operation services

YD/T 6247-2024 - IPv6 Transition Architecture for Carrier Networks (FAST6)

YD/T 6252-2024 - Business chain services for cloud-network collaboration - Networking technical requirements and test methods

5 Classification and status

International classification (ICS): 33.040.40

Chinese Standard Classification (CCS): L 78

Prefix YD/T: recommended standard.

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