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ICS 33.040.40
CCS M32

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6202-2024

Technical requirements for deterministic IP network equipment for telecommunications networks

电信网络的确定性IP网络设备技术要求

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6202-2024

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1 Foreword

YD/T 6202-2024 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 network equipment that supports deterministic IP capabilities in telecommunications networks, including equipment functional requirements, equipment performance requirements, operation and management requirements, environmental requirements, and power and grounding requirements in typical application scenarios. This standard applies to telecommunications network operators for functional constraints and performance assessment of deterministic IP network equipment, and equipment manufacturers for the design, development and production of deterministic IP network equipment, including but not limited to switches and routers that support IP.

YD/T 6202-2024 falls under ICS 33.040.40, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

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

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:

YD/T 2375-2019 - Technical requirements for high accuracy time synchronization

JT/T 1076-2016 - GNSS System for Operating Vehicles - Technical Specifications for Vehicle Video Terminal

YD/T 2554.1-2013 - Plastic optical fiber connector - Part 1: Type LC

YD/T 3118-2026 - Parameters and methods of test for website IPv6 support

YD/T 6206-2024 - Broadband Internet Service and Network Quality Evaluation Method - Web Page/Video/Speed Measurement Service

YD/T 6203-2024 - Testing Methods for Routers with SRv6 Function

5 Classification and status

International classification (ICS): 33.040.40

Chinese Standard Classification (CCS): M 32

Prefix YD/T: recommended standard.

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