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ICS 33.040.40
CCS M21

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6243-2024

Technical requirements for IP network topology YANG model

IP网网络拓扑YANG模型技术要求

(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-6243-2024

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1 Foreword

YD/T 6243-2024 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 general YANG model of IP network topology, the YANG model of L3 unicast network and the YANG model of data center fabric network topology. This standard applies to IP network controller manufacturers, network operators and equipment manufacturers.

YD/T 6243-2024 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.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

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English translation: about 15 pages (approximate)

4 Related standards

Standards on related subjects:

YD/T 3909-2021 - Vehicle emergency call system based on public telecommunication network - Requirements and architecture

YD/T 3910-2021 - Vehicle emergency call system based on public telecommunication network - Technical requirements and test method of the vehicle emergency rescue platform

YD/T 1761-2012 - Technical requirements for web accessibility

YD/T 6645-2026 - Identification and resolution system for the Industrial Internet - Communication system equipment - Identification coding

YD/T 6643-2026 - Computing power network and application for industrial Internet - General technical requirements

YD/T 6250-2024 - Technical requirements for DHCPv4 port segment options in IPv4 networks

5 Classification and status

International classification (ICS): 33.040.40

Chinese Standard Classification (CCS): M 21

Prefix YD/T: recommended standard.

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