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ICS 01.040.33
CCS L78

YD

# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# YD/T 6247-2024

## IPv6 Transition Architecture for Carrier Networks (FAST6)

运营商网络的IPv6过渡架构（FAST6）

**(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 6247-2024 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 main scenarios and IPv6 transition architecture of the operator's network in the transition to IPv6, and describes the functional requirements for the operator's network environment that is short of IPv4 addresses and needs to transition to IPv6. This standard is applicable to broadband service access scenarios.

YD/T 6247-2024 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 6255-2024 - Software-defined wide area network (SD-WAN) multi-cloud interconnection model and technical requirements

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

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

## 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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