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ICS 33.040.40
CCS L78

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6453-2025

Technical specification for modular networking of cloud metro area network

云化城域网模块化组网技术要求

(English Translation)

Issued on: July 2, 2025 **Implemented on: November 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 6453-2025 was issued by Ministry of Industry and Information Technology on 2 July 2025 and has been in force since 1 November 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 modular networking technical requirements for cloud-based metropolitan area networks, including modular networking architecture, networking technical requirements for each module, and technical requirements for interfacing with external networks such as backbone networks/cloud networks. This standard applies to the planning and construction of cloud-based metropolitan area networks, as well as the research, development, testing, and deployment of related network equipment.

YD/T 6453-2025 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 6458-2025 - Technical specification for virtual Broadband Remote Access Server (VBRAS) pooling of IP metro area network

YD/T 6457-2025 - Technical requirements of YANG data model for SRv6 configuration and management

YD/T 6456-2025 - Intent-based network for SDN/NFV intelligent network - API requirements for the intent engine

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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