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ICS 33.040.40
CCS M21

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4811-2024

Technical requirements for access and aggregation routers used for multi-service carrying

应用于多业务承载的接入及汇聚路由器技术要求

(English Translation)

Issued on: July 5, 2024 **Implemented on: October 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4811-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 2024.

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 overall technical requirements for access and aggregation routers used for multi-service bearer, including the definition of access and aggregation routers, network positioning, service functions, interfaces, address management and allocation, routing, QoS, MPLS, multicast, network management, OAM, network synchronization and other aspects. This standard is applicable to multi-service bearer networks built with IP, MPLS, Ethernet and other technologies, and provides a technical basis for network planning and construction, engineering design and acceptance, network operation and maintenance.

YD/T 4811-2024 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:

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

YD/T 4808-2024 - Technical requirements for routing strategy YANG model of IP bearer network routing equipment

YD/T 4803-2024 - Technical requirements of SDN-based network on-demand system based on Ethernet VPN

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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