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ICS 33.040.40
CCS M32

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4421-2023

SR-based multicast technical requirements

基于 SR 的组播技术要求

(English Translation)

Issued on: July 28, 2023 **Implemented on: November 1, 2023**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4421-2023

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1 Foreword

YD/T 4421-2023 was issued by Ministry of Industry and Information Technology on 28 July 2023 and has been in force since 1 November 2023.

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 segment routing-based multicast (SR P2MP), including the technical architecture of SR P2MP, the construction method of SR point-to-multipoint trees, multicast services based on SR P2MP, etc. This standard is applicable to multicast application scenarios based on segment routing-multiprotocol label switching (SR-MPLS) or segment routing (SRv6) based on the IPv6 forwarding plane. It is also applicable to the research and development and testing of network equipment that supports segment routing multicast technology..

YD/T 4421-2023 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 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 4413-2023 - Data backup all-in-one machine testing method

YD/T 4412-2023 - Technical requirements for data backup all-in-one machine

YD/T 4411-2023 - Test methods for server in immersion cooling datacenter

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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