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ICS 33.040.40
CCS M32

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4418-2023

Overall architecture and technical requirements of deterministic IP networks for telecommunications networks

电信网络的确定性 IP网络的总体架构和技术要求

(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-4418-2023

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1 Foreword

YD/T 4418-2023 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 basic concepts, target application scenarios and requirements, technical design goals, overall technical architecture and corresponding technical requirements in the field of deterministic IP networks for telecommunications networks. This standard is applicable to the solution of end-to-end deterministic transmission of data in telecommunications IP networks. For example, network problems in scenarios such as medical health, audio-visual entertainment, smart cities, and Internet of Vehicles. It can be used by network operators, network builders, equipment manufacturers, and third-party evaluation institutions for the research and development, construction, operation, testing, and evaluation of deterministic IP networks.

YD/T 4418-2023 falls under ICS 33.040.40, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

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In this catalogue, YD/T standards carry edition years from 1982 to 2026.

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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