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ICS 33.040.40
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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4470-2023

Deterministic IP network control plane technical requirements for telecommunications networks

电信网络的确定性IP网络 控制面技术要求

(English Translation)

Issued on: December 20, 2023 **Implemented on: April 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4470-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 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 technical requirements for deterministic IP network control planes for telecommunications networks. Based on typical DIP business models and networking forms, it formulates DIP information notification, user information expression, configuration delivery, resource reservation, reliability Technical requirements related to control aspects such as sexual security. This standard is suitable for solving the problem of end-to-end deterministic transmission of data flows in small and medium-sized, large-scale, and long-distance IP networks. This standard 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 4470-2023 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:

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 4462-2023 - Software-defined wide area network (SD-WAN) value-added service technical requirements Agile operation and maintenance

YD/T 4461-2023 - Software-defined wide area network (SD-WAN) value-added service technical requirements WAN acceleration

YD/T 4460-2023 - Software-defined wide area network (SD-WAN) key technical indicator system

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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