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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4471-2023

Deterministic IP network for telecommunications network oriented to convergence layer edge cloud technical requirements

电信网络的确定性IP网络 面向汇聚层边缘云技术要求

(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 4471-2023 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 basic concepts and technical requirements in the deterministic IP network field of the aggregation layer edge cloud of telecommunications networks, including the scenario requirements and target applications of deterministic IP networks for multi-service edge clouds, and deterministic transmission technology within the edge cloud. requirements as well as transport requirements outside the cloud. This standard applies to the design, development and testing of deterministic IP networks for edge clouds at the aggregation layer of telecommunications networks.

YD/T 4471-2023 falls under ICS 35.110, in the field of information technology.

This catalogue holds 725 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:

GB/T 41301-2022 - Management requirements of IPv6 address in intelligent manufacturing environments

YD/T 1730-2008 - Implementation Guide for Security Risk Assessment of Telecom Network and Internet

YD/T 1548.1-2007 - 2GHz WCDMA digital cellular mobile communication network terminal equipment testing method (second stage) - Part 1: Basic functions, operations and performance testing

YD/T 4474-2023 - Access OTN controller southbound interface test method

YD/T 4473-2023 - SDN-based IP RAN network information model and interface technical requirements

YD/T 4472-2023 - Core network function virtualization template parameter technical requirements

5 Classification and status

International classification (ICS): 35.110

Chinese Standard Classification (CCS): M 11

Prefix YD/T: recommended standard.

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