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ICS 33.040.20
CCS M32

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4499-2023

Technical requirements for carrier-grade NAT64 equipment

运营级NAT64设备技术要求

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4499-2023

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1 Foreword

YD/T 4499-2023 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 IPv6 users to use translation technology to achieve IPv4 network resource access equipment. It mainly describes the NAT64 translator technology and its requirements, as well as the software, hardware and power requirements of DNS64 servers and equipment. This standard is applicable to scenarios where pure IPv6 clients access IPv4 services in an environment where IPv4 and IPv6 interworking gateways have been deployed.

YD/T 4499-2023 falls under ICS 33.040.20, 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 4509-2023 - Technical requirements for router equipment in lossless networks

YD/T 4508-2023 - Switch supports MP-BGP EVPN protocol test method

YD/T 4500-2023 - Carrier-grade NAT64 equipment testing method

5 Classification and status

International classification (ICS): 33.040.20

Chinese Standard Classification (CCS): M 32

Prefix YD/T: recommended standard.

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