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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6249-2024

Technical requirements for 4over6 tunnels initiated by the customer premises network gateway

用户驻地网网关发起的4over6隧道技术要求

(English Translation)

Issued on: December 10, 2024 **Implemented on: April 1, 2025**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6249-2024

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1 Foreword

YD/T 6249-2024 was issued by Ministry of Industry and Information Technology on 10 December 2024 and has been in force since 1 April 2025.

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 a 4over6 tunnel mechanism initiated by a user premises network gateway, including network topology, process behavior of DHCPv4 over IPv6 server, requirements of 4over6 gateway, etc. This standard applies to access network 4over6 transition scenarios.

YD/T 6249-2024 carries no ICS number and no Chinese Standard Classification code.

This catalogue holds 6,667 other YD/T standards.

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Of the 4,379 YD/T standards that do carry an ICS number, 3,421 (78%) fall under ICS 33, in the field of telecommunications.

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:

JB 2293-1978 - Wind tunnel test method of radiator of automobile and tractor

YD/T 4046-2022 - Cloud computing open application model

YD/T 4045-2022 - Big data - technical requirements and test methods for message middleware

YD/T 4044-2022 - Technical requirements for AI-based knowledge graph construction

5 Classification and status

Prefix YD/T: recommended standard.

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