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INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6246-2024

Technical requirements for DHCPv6 options for obtaining DHCPv4 over IPv6 server and relay addresses

获取DHCPv4 over IPv6的服务器和中继地址的DHCPv6选项技术要求

(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-6246-2024

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1 Foreword

YD/T 6246-2024 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 way in which the traditional IPv4 Dynamic Host Configuration Protocol (DHCPv4) client and DHCPv4 server interact through a pure IPv6 network, and defines a DHCPv6 option. This standard is applicable to scenarios where IPv4 Dynamic Host Configuration Protocol (DHCPv4) technology based on IPv6 transmission is used to allocate address parameters to users. Pure IPv6 devices (excluding IPv4 protocol stacks) are not within the scope of this standard.

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YD/T 6246-2024 carries no ICS number and no Chinese Standard Classification code.

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

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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