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ICS 33.040.40
CCS L78

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6475-2025

Technical requirements for DNS over quick UDP internet connections

快速UDP网络连接（QUIC）的DNS传输技术要求

(English Translation)

Issued on: July 2, 2025 **Implemented on: November 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 6475-2025 was issued by Ministry of Industry and Information Technology on 2 July 2025 and has been in force since 1 November 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 providing security and privacy protection for DNS queries and responses using fast UDP network connections, including connection establishment and management, message mapping mechanisms, error code definitions, session recovery, and specific implementation requirements such as authentication, address verification, padding, parallel processing, and flow control. This document is applicable to scenarios where traditional DNS faces active and passive attacks in network connections, improving plaintext DNS...

YD/T 6475-2025 falls under ICS 33.040.40, 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:

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 6484-2025 - The capability requirements of high performance computing cloud platform

YD/T 6466-2025 - Technical requirements for deterministic slicing of IP network

YD/T 6465-2025 - Service chaining for cloud and network collaboration-Technical requirement for north bound YANG model of network management and control 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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