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ICS 33.040.40
CCS M32

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6070-2024

Technical requirements for live streaming systems based on the Quick UDP Internet Connection (QUIC) protocol

基于快速UDP网络连接（QUIC）协议的直播系统技术要求

(English Translation)

Issued on: October 24, 2024 **Implemented on: February 1, 2025**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6070-2024

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1 Foreword

YD/T 6070-2024 was issued by Ministry of Industry and Information Technology on 24 October 2024 and has been in force since 1 February 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 the live broadcast system based on the Quick UDP Internet Connection (QUIC) protocol. Based on the analysis of the QUIC live broadcast application scenario, it defines the transmission process and architecture requirements of the QUIC live broadcast system, and clarifies the technical requirements that the QUIC live broadcast system needs to meet. This standard is applicable to participants such as live broadcast platforms, content providers, network service providers and related equipment manufacturers, and is used to guide the design, development, deployment and maintenance of low-latency live broadcast systems based on the QUIC protocol.

YD/T 6070-2024 falls under ICS 33.040.40, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

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In this catalogue, YD/T standards carry edition years from 1982 to 2026.

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 6069.1-2024 - Technical requirements for open converged network equipment for network edge nodes - Part 1: General architecture

YD/T 6079-2024 - Technical requirements for operation, management and maintenance of deterministic bearer networks

YD/T 6068-2024 - Overall architecture and technical requirements of IP bearer network for aggregation layer edge cloud

5 Classification and status

International classification (ICS): 33.040.40

Chinese Standard Classification (CCS): M 32

Prefix YD/T: recommended standard.

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