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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4738-2024

Technical requirements for 5G mobile communication networks to support time-sensitive networking (TSN) (Phase I)

5G移动通信网支持时间敏感网络（TSN）技术要求（第一阶段）

(English Translation)

Issued on: July 5, 2024 **Implemented on: October 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4738-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 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 overall technical requirements for 5G mobile communication network to support time-sensitive network (TSN), including overall architecture, functional requirements, interface functional requirements, network element functional requirements and key processes. This standard is applicable to the research and development and testing of related functions of 5G core network supporting time-sensitive network.

YD/T 4738-2024 falls under ICS 33.060, 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 3711-2020 - Technical requirement of IMS based vehicle eCall system based on public telecommunication network

GB/T 32401-2015 - Technical requirements and measurement methods for VHF/UHF frequency

GB/T 12572-2008 - Universal requirements and measurement methods of parameters for radio transmitting equipment

YD/T 4734-2024 - Overall technical requirements for 5G mobile communication network positioning system (Phase I)

YD/T 4733-2024 - Technical requirements and test methods for vehicle communication antennas

YD/T 4728-2024 - 5G multi-mode dual-SIM dual-standby terminal equipment test method

5 Classification and status

International classification (ICS): 33.060

Chinese Standard Classification (CCS): M 36

Prefix YD/T: recommended standard.

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