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ICS 33.060.99
CCS M36

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4773-2024

Technical requirements for unicast transmission of basic information of V2I based on LTE wireless communication technology

基于LTE的车联网无线通信技术 V2I基础信息单播传输技术要求

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4773-2024

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1 Foreword

YD/T 4773-2024 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 technical requirements for unicast transmission between roadside equipment and vehicle-mounted terminal equipment based on LTE-V2X direct communication technology in China, including LTE-V2X-based message layer and network layer protocol stack enhancements, point-to-point interaction processes, address management and maintenance involved in direct communication, unicast security requirements, and unicast service configuration requirements. This standard applies to the system design and development of near-field payment services and vehicle identity information management services between roadside equipment and vehicle-mounted terminal equipment based on LTE-V2X direct communication technology. Near-field payment services and vehicle identity information management services between vehicle-mounted terminals and between handheld terminals and vehicle-mounted terminals can refer to this standard.

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YD/T 4773-2024 falls under ICS 33.060.99, 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.

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 4774-2024 - Technical requirements for vehicle C-V2X misbehavior management

YD/T 4771-2024 - C-V2X large-scale test system and interface technical requirements

YD/T 4767-2024 - Technical requirements and test methods for high-precision satellite positioning assistance information broadcasting system in mobile communication networks (Phase II)

5 Classification and status

International classification (ICS): 33.060.99

Chinese Standard Classification (CCS): M 36

Prefix YD/T: recommended standard.

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