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ICS 33.060.01
CCS M30

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4770-2024

Technical requirements and test methods for vehicle-road cooperative roadside perception system

车路协同 路侧感知系统技术要求及测试方法

(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 4770-2024 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 hierarchical performance index requirements for different applications of the roadside perception system for vehicle-road collaboration, and gives corresponding technical requirements and test methods from four dimensions: system general requirements, basic performance indicators, traffic participant perception, traffic events and traffic parameter detection. This standard applies to the planning, construction and application deployment of the roadside perception system for vehicle-road collaboration.

YD/T 4770-2024 falls under ICS 33.060.01, 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 3710-2020 - Test methods of message layer of LTE-based vehicular communication

YD/T 2879-2026 - Synchronization OAM technical requirements based on packet network

YD/T 4779-2024 - Technical requirements for emergency takeover of urban operation vehicles in remote control driving information interaction system based on 5G

YD/T 4777-2024 - Application scenarios and technical requirements of vehicle-road collaboration based on mobile Internet

5 Classification and status

International classification (ICS): 33.060.01

Chinese Standard Classification (CCS): M 30

Prefix YD/T: recommended standard.

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