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ICS 35.240.60
CCS Z04

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4778-2024

Overall technical requirements for 5G-based remote control driving information interaction system

基于5G的远程遥控驾驶信息交互系统 总体技术要求

(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-4778-2024

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1 Foreword

YD/T 4778-2024 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 the information interaction system of remote control driving services based on 5G. It mainly includes: the definition of remote control driving based on 5G, the information communication architecture of remote control driving based on 5G and the general application layer information interaction requirements, and the communication performance and processing delay requirements of remote control driving services for 5G systems. This standard applies to the design and development of remote control driving information interaction systems based on 5G.

YD/T 4778-2024 falls under ICS 35.240.60, in the field of information technology.

This catalogue holds 725 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:

GB/T 17145-2024 - Guidelines for recycling of used mineral oil

HG/T 5871-2021 - Technical specification for green-design product assessment - Polyethylene terephthalate (PET) resin

HJ/T 331-2006 - Specifications for environmental protection product. Catalytic converters for petrol vehicles

YD/T 6714-2026 - Requirements of the greenhouse gas emission accounting and reporting - Telecommunication rooms

YD/T 6713-2026 - Greenhouse gases - Quantitative methods and requirements for carbon footprint of products - Data transmission and exchange equipment

YD/T 6703-2026 - Technical requirements of 5G enabled remote driving information interaction system - Port remote control operations

5 Classification and status

International classification (ICS): 35.240.60

Chinese Standard Classification (CCS): Z 04

Prefix YD/T: recommended standard.

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