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ICS 33.050.01
CCS M07

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4775-2024

Safety experience requirements and test methods for human-computer interaction of in-vehicle mobile applications

车载移动应用人机交互安全体验要求和测试方法

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
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Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Abbreviations
3.1 Terms and definitions
4 General
4.1 Test environment
4.2 UE Information
4.3 Test Implementation
5 Technical requirements

1 Foreword

YD/T 4775-2024 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 driving safety goals, visual design requirements, interaction design requirements and corresponding test methods of the interconnection system between smartphones and vehicle terminals in the use of its mobile application scenarios. This standard is applicable to the mobile applications of the interconnection system between smartphones and vehicle terminals, and can also be applied to the mobile applications of the vehicle terminal system itself.

YD/T 4775-2024 falls under ICS 33.050.01, 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 2583.18-2019 - Requirement and measurement methods of electromagnetic compatibility for cellular mobile telecommunication equipment - Part 18: 5G user equipment and ancillary equipment

YD/T 2653-2013 - Product standard to demonstrate the compliance of short range devices(SRD) and similar applications related to human exposure to electromagnetic fields (1OHz~30MHz)

GB/T 3873-1983 - General specifications for products packaging of communication equipments

YD/T 6875-2026 - General technical requirements for 5G service level agreement (SLA) assurance for industrial scenarios

YD/T 6788-2026 - Test requirements for 3D machine vision application of the Industrial Internet

YD/T 4918.4-2026 - Machine vision based on edge computing - Part 4: Technical Requirements and Testing Methods

5 Classification and status

International classification (ICS): 33.050.01

Chinese Standard Classification (CCS): M 07

Prefix YD/T: recommended standard.

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