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ICS 33.060
CCS M37

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6151.1-2024

Technical requirements and test methods for information perception components in mobile smart terminals - Part 1: General requirements

移动智能终端中信息感知组件技术要求和测试方法 第1部分：总体要求

(English Translation)

Issued on: December 10, 2024 **Implemented on: April 1, 2025**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6151-1-2024

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1 Foreword

YD/T 6151.1-2024 was issued by Ministry of Industry and Information Technology on 10 December 2024 and has been in force since 1 April 2025.

It is one of 2 parts of the YD/T 6151 series.

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.

2 Scope Preview

This standard specifies the overall requirements for information perception components in mobile smart terminals, including terms, definitions, types, requirements and test methods. This standard applies to information perception components in mobile smart terminals such as smartphones, tablets, wearable devices, and vehicle-mounted smart terminals.

YD/T 6151.1-2024 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.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

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Issued by: Ministry of Industry and Information Technology

English translation: about 15 pages (approximate)

4 Related standards

Other parts of this standard:

YD/T 6151.2-2024 - Part 2: Barometer

Standards on related subjects:

YD/T 2576.1-2013 - Test method for user equipment of TD-LTE digital cellular mobile telecommunication network (Phase 1) - Part 1: Basic operation, services and reliability test

YD/T 2576.2-2013 - Test method for user equipment of TD-LTE digital cellular mobile telecommunication network (phase 1) - Part 2: Radio transmission and reception performance test

YD/T 2307-2011 - Technical requirement and testing methods for general function of mobile telecommunication terminal

YD/T 6157-2024 - Technical requirements and test methods for mobile intelligent shooting remote control equipment based on 5G network

YD/T 6167-2024 - Technical requirements for mobile applications to support Chinese domain names

5 Classification and status

International classification (ICS): 33.060

Chinese Standard Classification (CCS): M 37

Prefix YD/T: recommended standard.

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