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ICS 33.030
CCS M21

YD

# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# YD/T 4512-2023

## Technical requirements for security capabilities of embedded universal integrated circuit cards (eUICC) for IoT devices

面向物联网设备的嵌入式通用集成电路卡（eUICC）安全能力技术要求

**(English Translation)**

**Issued on: December 20, 2023** **Implemented on: April 1, 2024**

**Issued by: Ministry of Industry and Information Technology**

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## 1 Foreword

YD/T 4512-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 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 security technical requirements for embedded universal integrated circuit cards (eUICC) for the Internet of Things, including security issue definitions, security objectives, security functions and security assurance requirements. This standard applies to the design, R&D and testing and evaluation activities of eUICC products for IoT devices.

YD/T 4512-2023 falls under ICS 33.030, 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 3909-2021 - Vehicle emergency call system based on public telecommunication network - Requirements and architecture

YD/T 3910-2021 - Vehicle emergency call system based on public telecommunication network - Technical requirements and test method of the vehicle emergency rescue platform

YD/T 1761-2012 - Technical requirements for web accessibility

YD/T 4503.2-2024 - Technical requirements and test methods for Internet data center service billing detection - Part 2: Cloud host

YD/T 4503.1-2024 - Internet data center service billing detection technical requirements and test methods - Part 1: Common parts for public cloud services

YD/T 4513-2023 - Technical requirements for security capabilities of embedded universal integrated circuit cards (eUICC) for consumer electronic devices

## 5 Classification and status

International classification (ICS): 33.030

Chinese Standard Classification (CCS): M 21

Prefix YD/T: recommended standard.



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