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ICS 33.030
CCS M21

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4969-2024

Security technical requirements for IoT device systems based on root of trust

基于信任根的物联网设备系统安全技术要求

(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-4969-2024

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1 Foreword

YD/T 4969-2024 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 root of trust and security functions and technical requirements of the system of IoT devices, and divides them into three different levels. This standard applies to IoT devices that support the root of trust, and is used for the design, development and security evaluation of IoT devices based on the root of trust.

YD/T 4969-2024 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.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

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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 6645-2026 - Identification and resolution system for the Industrial Internet - Communication system equipment - Identification coding

YD/T 6643-2026 - Computing power network and application for industrial Internet - General technical requirements

YD/T 4959-2024 - Security assessment method for personal mobile smart terminals in enterprise applications

5 Classification and status

International classification (ICS): 33.030

Chinese Standard Classification (CCS): M 21

Prefix YD/T: recommended standard.

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