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ICS 35.030
CCS L80

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6305-2024

Non-invasive attack mitigation test method for security chips

安全芯片非入侵式攻击缓解测试方法

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-6305-2024

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 Requirements

1 Foreword

YD/T 6305-2024 was issued by Ministry of Industry and Information Technology on 10 December 2024 and has been in force since 1 April 2025.

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 non-invasive attack mitigation test method for security chips, including the test requirements, test preparation, test methods and quantitative indicators of non-invasive attack mitigation of security chips, as well as special case descriptions. This standard is applicable to guiding the non-invasive attack mitigation test of security chips, and providing manufacturers with a design reference for security chips from the two perspectives of attack and test.

YD/T 6305-2024 falls under ICS 35.030, 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:

GM/T 0130-2023 - Certificateless and implicit-certificate-based public key mechanisms based on the SM2 algorithms

GA/T 1389-2017 - Information Security Technology - Guidelines for Grading of Classified Protection of Cyber Security

YD/T 6816-2026 - Guidelines for internet of vehicles supply chain cybersecurity risk management

YD/T 6661-2026 - Security architecture of data sharing management based on the distributed ledger technology

YD/T 6304-2024 - Technical requirements for network deep packet inspection (DPI) data encryption application

5 Classification and status

International classification (ICS): 35.030

Chinese Standard Classification (CCS): L 80

Prefix YD/T: recommended standard.

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