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ICS 33.040.50
CCS M42

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6040-2024

Basic IoT Security - Security classification and management evaluation method for broadband customer intelligent gateway based on public telecommunications network

物联网基础安全 基于公用电信网的宽带客户智能网关安全分级分类管理评估方法

(English Translation)

Issued on: October 24, 2024 **Implemented on: February 1, 2025**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6040-2024

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1 Foreword

YD/T 6040-2024 was issued by Ministry of Industry and Information Technology on 24 October 2024 and has been in force since 1 February 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 security function requirements and security assurance requirements for each security level of the broadband customer intelligent gateway for the Internet of Things. This standard is applicable to security assessment service agencies and operators of broadband customer intelligent gateway equipment based on public telecommunications networks. It is used to conduct security assessments on the security status of intelligent gateway equipment used in the Internet of Things. It is also applicable to network security functional departments for reference when conducting gateway security level protection supervision and inspection.

YD/T 6040-2024 falls under ICS 33.040.50, 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 1092-2023 - Telecommunication cables - Foamed polyolefin dielectric, corrugated copper-tube outer conductor, 50 Ohm radio-frequency coaxial cable for wireless communications

YD/T 2165-2010 - Technical specification of modular uninterruptible power systems for telecommunications

YD/T 841-1996 - Underground communication pipe with plastic pipe

YD/T 2019.6-2026 - Test method for broadband customer networking based on public telecommunication network - Part 6: Fiber-To-The-Room (FTTR) residential equipment

YD/T 6031-2024 - Basic IoT Security - Evaluation Method for Security Classification and Classification Management of Gateway Management Platform

YD/T 6030-2024 - Basic IoT Security - Technical Requirements for Security Classification and Classification Management of Gateway Management Platform

5 Classification and status

International classification (ICS): 33.040.50

Chinese Standard Classification (CCS): M 42

Prefix YD/T: recommended standard.

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