Chinastandards.org

ICS 35.030
CCS M10

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6032-2024

Technical requirements for IPv6 security isolation in home broadband scenarios

面向家庭宽带场景的IPv6安全隔离技术要求

(English Translation)

Issued on: October 24, 2024 **Implemented on: February 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-6032-2024

Chinastandards.org

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 6032-2024 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 technical requirements for IPv6 security isolation for home broadband scenarios, including the general principles for security isolation of home broadband IPv6 address segments, and specific requirements for IPv6 security isolation configuration on various home broadband network devices. This standard is applicable to home broadband networks of telecom operators, and the scenarios include security assessment and reinforcement of the existing home broadband network IPv6 security isolation, and large-scale upgrade and transformation of IPv6 addresses for home broadband networks.

YD/T 6032-2024 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.

Preview: page 2 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-6032-2024

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:

GB/T 47325-2026 - Security technical requirements and test methods for over-the-air updates in the internet of vehicles

GB/T 47324-2026 - Cybersecurity protection requirements for internet of vehicles platforms

YD/T 1730-2008 - Implementation Guide for Security Risk Assessment of Telecom Network and Internet

YD/T 6039-2024 - Basic IoT Security - Internet of things platform security classification and classification management evaluation method

YD/T 6038-2024 - Basic IoT Security - Internet of things platform security classification and classification management technical requirements

YD/T 6042-2024 - Technical requirements for mobile edge computing application enabling architecture

5 Classification and status

International classification (ICS): 35.030

Chinese Standard Classification (CCS): M 10

Prefix YD/T: recommended standard.

Preview: page 3 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-6032-2024