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ICS 35.240.50
CCS K07

YD

# INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# YD/T 6569-2025

## Industrial Internet - Testing methodologies for gateway device based on time-sensitive networking

工业互联网时间敏感网络网关设备测试方法

**(English Translation)**

**Issued on: December 17, 2025** **Implemented on: April 1, 2026**

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

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## 1 Foreword

YD/T 6569-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 April 2026.

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 testing methods for time-sensitive network gateways in the Industrial Internet field, including basic functional testing, basic performance index testing, operation and maintenance and management function testing, reliability testing, security testing, and environmental testing. This standard is applicable to the testing of Industrial Internet time-sensitive network gateway devices.

YD/T 6569-2025 falls under ICS 35.240.50, 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:

GB/T 4706.53-2024 - Safety of household and similar electrical appliances - Part 53: Particular requirements for toilet appliances

DL/T 1338-2014 - Specification of real-time supervision and management information system for power generation enterprises

GB 4706.89-2008 - Household and similar electrical appliances -- Safety -- Particular requirements for high pressure cleaners and steam cleaners, for industrial and commercial use

YD/T 6567-2025 - Industrial internet - Technical requirements of OPC UA based on TSN network

YD/T 4907-2024 - Mobile Internet Game General Terms and Definitions

## 5 Classification and status

International classification (ICS): 35.240.50

Chinese Standard Classification (CCS): K 07

Prefix YD/T: recommended standard.



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