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ICS 33.020
CCS M10

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6489-2025

Technical requirements for monitoring of water system for smart fire protection

智慧消防供水系统监测技术要求

(English Translation)

Issued on: July 2, 2025 **Implemented on: November 1, 2025**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6489-2025

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1 Foreword

YD/T 6489-2025 was issued by Ministry of Industry and Information Technology on 2 July 2025 and has been in force since 1 November 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 overall framework for monitoring intelligent fire-fighting water supply systems, defining the technical requirements for the sensing layer, network layer, support layer, application layer, and security and management. This document is applicable to the design, construction, and acceptance of fire-fighting water supply system monitoring.

YD/T 6489-2025 falls under ICS 33.020, 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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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 6496-2025 - Smart multifunctional pole (tower) - General framework and technical requirements for system communication

YD/T 6494-2025 - Method for evaluating power consumption of IoT terminal equipment

YD/T 6486-2025 - General assessment method of data set quality for artificial intelligence - Overall requirements

5 Classification and status

International classification (ICS): 33.020

Chinese Standard Classification (CCS): M 10

Prefix YD/T: recommended standard.

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