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ICS 35.240.60
CCS M21

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4870-2024

Technical requirements for data transmission protocol for smart water meter system based on NB-IoT

基于NB-IoT的智能水表系统应用数据传输协议技术要求

(English Translation)

Issued on: July 5, 2024 **Implemented on: October 1, 2024**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4870-2024

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1 Foreword

YD/T 4870-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 2024.

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 system architecture and model definition of the application data transmission protocol data model of the NB-IoT-based smart water meter system. This standard is applicable to the smart water meter system of organizations such as water companies, and can provide standards for smart water meter manufacturers to design and develop products, and can also be used by third-party organizations to review and evaluate smart water meters.

YD/T 4870-2024 falls under ICS 35.240.60, 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:

YD/T 3909-2021 - Vehicle emergency call system based on public telecommunication network - Requirements and architecture

YD/T 3910-2021 - Vehicle emergency call system based on public telecommunication network - Technical requirements and test method of the vehicle emergency rescue platform

YD/T 1761-2012 - Technical requirements for web accessibility

YD/T 6645-2026 - Identification and resolution system for the Industrial Internet - Communication system equipment - Identification coding

YD/T 6643-2026 - Computing power network and application for industrial Internet - General technical requirements

YD/T 4873-2024 - Technical requirements for 5G-based smart medical SIM cards

5 Classification and status

International classification (ICS): 35.240.60

Chinese Standard Classification (CCS): M 21

Prefix YD/T: recommended standard.

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