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ICS 33.060
CCS M36

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6517-2025

General technical requirements of intelligent manhole cover system based on narrow band internet of things

基于NB-IoT的智能井盖系统总体技术要求

(English Translation)

Issued on: August 19, 2025 **Implemented on: December 1, 2025**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6517-2025

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1 Foreword

YD/T 6517-2025 was issued by Ministry of Industry and Information Technology on 19 August 2025 and has been in force since 1 December 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 system composition, platform requirements, terminal requirements, and testing methods for intelligent manhole cover systems. This document is suitable for the design, development, and testing of various NB-IoT-based intelligent manhole cover systems.

YD/T 6517-2025 falls under ICS 33.060, 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:

YD/T 3711-2020 - Technical requirement of IMS based vehicle eCall system based on public telecommunication network

GB/T 32401-2015 - Technical requirements and measurement methods for VHF/UHF frequency

GB/T 12572-2008 - Universal requirements and measurement methods of parameters for radio transmitting equipment

YD/T 6510-2025 - RF test methods for 1.8GHz band wireless access base station

YD/T 6509-2025 - Radio frequency technical requirement and test method for radio transmission equipment operating in 5725MHz~5850MHz

YD/T 6508-2025 - Radio frequency technical requirement and test method for radio transmission equipment operating in 5150MHz~5350MHz

5 Classification and status

International classification (ICS): 33.060

Chinese Standard Classification (CCS): M 36

Prefix YD/T: recommended standard.

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