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ICS 35.030
CCS M10

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6500-2025

Technical specifications of blockchain-based common data management for the internet of things

基于区块链的物联网通用数据管理技术规范

(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-6500-2025

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1 Foreword

YD/T 6500-2025 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 data management requirements for IoT based on blockchain, standardizing a general data management reference model and its functional entities based on blockchain. This document defines the basic capabilities and processes for blockchain-based data management, as well as the data model. It applies to blockchain-based IoT data management services and provides a technical standard reference for the design, development, deployment, and maintenance of specific applications.

YD/T 6500-2025 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.

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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 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 6017.4-2026 - The capability evaluation system of cyber security products - Part 4: Security products testing methods based on deployment methods

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

5 Classification and status

International classification (ICS): 35.030

Chinese Standard Classification (CCS): M 10

Prefix YD/T: recommended standard.

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