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ICS 35.240
CCS L04

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4564-2023

Blockchain smart contract security technical requirements

区块链智能合约安全技术要求

(English Translation)

Issued on: December 20, 2023 **Implemented on: April 1, 2024**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4564-2023

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1 Foreword

YD/T 4564-2023 was issued by Ministry of Industry and Information Technology on 20 December 2023 and has been in force since 1 April 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 security technical requirements for blockchain smart contracts, including technical requirements for the security technology framework, design and development security, test verification security, compilation and deployment security, trigger operation security, and maintenance governance security of blockchain smart contracts. This standard is applicable to guide blockchain smart contract business providers, smart contract technology providers, smart contract auditors and other related roles to ensure security during the design, development, testing, deployment, operation and maintenance of blockchain smart contracts., is also suitable for guiding the security assessment of blockchain smart contract systems.

YD/T 4564-2023 falls under ICS 35.240, in the field of information technology.

This catalogue holds 725 other YD/T standards in that field.

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In this catalogue, YD/T standards carry edition years from 1982 to 2026.

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 32910.3-2016 - Data centre - Resource utilization - Part 3: Energy usage effectiveness requirements and measuring methods

YD/T 983-2013 - Limits and methods of measurement of electromagnetic compatibility of telecommunicatin power supply equipment

YD/T 6782-2026 - Identification and resolution for the Industrial Internet - Active identifier carrier - Service process and interface requirements for general integrated circuit cards

YD/T 6775-2026 - Security technical requirements for white box switch

YD/T 5275-2026 - Green technical requirements of information and communication Engineering

5 Classification and status

International classification (ICS): 35.240

Chinese Standard Classification (CCS): L 04

Prefix YD/T: recommended standard.

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