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ICS 35.040
CCS L72

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6127-2024

Industrial Internet Identifier Resolution - Access authentication system interface technical requirements

工业互联网标识解析 接入认证系统接口技术要求

(English Translation)

Issued on: December 10, 2024 **Implemented on: April 1, 2025**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 6127-2024 was issued by Ministry of Industry and Information Technology on 10 December 2024 and has been in force since 1 April 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 functional requirements, interface requirements, interface abnormal return values, and data synchronization node information related to the access authentication system interface provided by the national top-level nodes, secondary nodes, enterprise nodes, and public recursive nodes in the industrial Internet identity resolution system. This standard applies to the development of access authentication interfaces for the industrial Internet identity resolution access authentication system, as well as the docking and use with national top-level nodes, secondary nodes, enterprise nodes, and public recursive nodes.

YD/T 6127-2024 falls under ICS 35.040, 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 3746-2020 - Specification of internet of vehicle information service - User personal information protection

GB/T 39105-2020 - Consumer product traceability-Data element directory for traceability system

GB/T 38555-2020 - Information technology-Big data-Core metadata for industrial product

YD/T 6564-2025 - Identification and resolution system for the Industrial Internet - Shipping - Metadata

YD/T 6128-2024 - Industrial Internet Identifier Resolution - Access authentication system interface test method

5 Classification and status

International classification (ICS): 35.040

Chinese Standard Classification (CCS): L 72

Prefix YD/T: recommended standard.

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