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ICS 35.240.99
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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4563-2023

Technical requirements and testing methods for data circulation products based on federated learning

基于联邦学习的数据流通产品技术要求与测试方法

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4563-2023 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 necessary technical requirements and corresponding test methods for data circulation products based on federated learning in terms of scheduling management, data processing, algorithm implementation, effects and performance, security, stability, and scalability. This standard applies to the research and development, testing, evaluation and acceptance of data circulation products based on federated learning.

YD/T 4563-2023 falls under ICS 35.240.99, 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 36073-2018 - Data management capability maturity assessment mode

YD/T 4566-2023 - Overall technical requirements for blockchain-based IoT device identification and authentication systems

YD/T 4565-2023 - Technical requirements for security situation awareness of the Internet of Things

YD/T 4559-2023 - Implementation Guide for Digital Watermarking of Structured Data in Telecom Networks and the Internet

5 Classification and status

International classification (ICS): 35.240.99

Chinese Standard Classification (CCS): L 67

Prefix YD/T: recommended standard.

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