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ICS 35.240.70
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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6286-2024

Technical requirements for machine learning-based biocomputing platforms

基于机器学习的生物计算平台技术要求

(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 6286-2024 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 technical requirements for biocomputing platforms based on machine learning, including overall architecture, functional requirements, model input and output paradigm requirements, performance requirements and security functional requirements. This standard is applicable to biocomputing in the field of drug development, guiding product development in the field of biocomputing, and providing third-party evaluation agencies with the evaluation and acceptance of biocomputing platforms based on machine learning.

YD/T 6286-2024 falls under ICS 35.240.70, 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 6280-2024 - Technical requirements for the service platform interface of civil unmanned aerial vehicle systems based on cellular networks

YD/T 6291-2024 - Technical requirements for data delivery service platform in the telecommunications industry

YD/T 6292-2024 - Distributed cloud global management platform capability requirements

5 Classification and status

International classification (ICS): 35.240.70

Chinese Standard Classification (CCS): L 67

Prefix YD/T: recommended standard.

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