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ICS 33.030
CCS M21

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6117-2024

Industrial Internet Edge Computing - Edge node model and requirements - Edge cloud

工业互联网边缘计算 边缘节点模型与要求 边缘控制器

(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 6117-2024 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 location and function reference model, function description, programming, security services and other related models and requirements for edge controllers in the industrial Internet. This standard applies to industrial Internet edge controllers such as data acquisition, system monitoring, and equipment control. Other edge controllers similar to the edge side of the industrial Internet can be used for reference.

YD/T 6117-2024 falls under ICS 33.030, in the field of telecommunications.

This catalogue holds 3,420 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 3909-2021 - Vehicle emergency call system based on public telecommunication network - Requirements and architecture

YD/T 3910-2021 - Vehicle emergency call system based on public telecommunication network - Technical requirements and test method of the vehicle emergency rescue platform

YD/T 1761-2012 - Technical requirements for web accessibility

YD/T 6110-2024 - Technical requirements and test methods for billing performance of 5G voice service billing system

YD/T 6108-2024 - 5G messaging - Technical requirements for dual-card terminals

YD/T 6109-2024 - 5G messaging - Test methods for dual-card terminals

5 Classification and status

International classification (ICS): 33.030

Chinese Standard Classification (CCS): M 21

Prefix YD/T: recommended standard.

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