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ICS 35.240.50
CCS M10

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6114-2024

Industrial Internet - Technical requirements for the integrated deployment of time-sensitive networks and mobile fronthaul networks Request

工业互联网 时间敏感网络与移动前传网络融合部署技术要求

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6114-2024

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1 Foreword

YD/T 6114-2024 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 deployment scenarios, architecture requirements, business requirements, network deployment, network element requirements, etc. of the mobile fronthaul network that integrates time-sensitive network characteristics in the industrial Internet. This standard applies to the planning, design, construction and deployment of the mobile fronthaul bearer network in the scenario of 5G private network deployment in the industrial Internet field.

YD/T 6114-2024 falls under ICS 35.240.50, 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 47325-2026 - Security technical requirements and test methods for over-the-air updates in the internet of vehicles

GB/T 47324-2026 - Cybersecurity protection requirements for internet of vehicles platforms

YD/T 1730-2008 - Implementation Guide for Security Risk Assessment of Telecom Network and Internet

YD/T 6017.7-2026 - The capability evaluation system of cyber security products - Part 7: Evaluation method of zero trust business security products

YD/T 6017.6-2026 - The capability evaluation system of cyber security product - Part 6: Evaluation method of cyber deception (honeypot)

YD/T 6017.4-2026 - The capability evaluation system of cyber security products - Part 4: Security products testing methods based on deployment methods

5 Classification and status

International classification (ICS): 35.240.50

Chinese Standard Classification (CCS): M 10

Prefix YD/T: recommended standard.

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