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ICS 33.060
CCS M30

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6423-2025

Technical requirement for 5G Non-Public Network (Phase 2)

5G移动通信网支持非公共网络（NPN）技术要求（第二阶段）

(English Translation)

Issued on: July 2, 2025 **Implemented on: November 1, 2025**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6423-2025

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1 Foreword

YD/T 6423-2025 was issued by Ministry of Industry and Information Technology on 2 July 2025 and has been in force since 1 November 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 5G mobile communication networks supporting the second phase of Non-Public Networks (NPN), including the overall architecture and basic functional requirements of non-public networks under two deployment models: standalone non-public networks and non-public networks integrated with public networks, as well as the corresponding interface function requirements and network element function requirements. It describes key processes. This standard is applicable to the research, development, testing, and verification evaluation of technologies and network elements related to 5G mobile communication network non-public network (NPN) functions.

YD/T 6423-2025 falls under ICS 33.060, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

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In this catalogue, YD/T standards carry edition years from 1982 to 2026.

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 3710-2020 - Test methods of message layer of LTE-based vehicular communication

YD/T 2879-2026 - Synchronization OAM technical requirements based on packet network

YD/T 6425-2025 - 5G mobile communication network - Test methods for policy control of core network

YD/T 6422-2025 - 5G mobile communication network - General technical requirements of proximity based services (ProSe)

5 Classification and status

International classification (ICS): 33.060

Chinese Standard Classification (CCS): M 30

Prefix YD/T: recommended standard.

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