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ICS 33.060.99
CCS M36

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6584-2025

5G mobile telecommunication network - Technical requirement of signalling-Interworking function in hybrid private network mode

5G移动通信网混合专网模式的信令互通网关设备技术要求

(English Translation)

Issued on: December 17, 2025 **Implemented on: April 1, 2026**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-6584-2025

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1 Foreword

YD/T 6584-2025 was issued by Ministry of Industry and Information Technology on 17 December 2025 and has been in force since 1 April 2026.

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 signaling interoperability gateway equipment in 5G mobile communication network hybrid private network mode, including the deployment method, functional requirements, involved interfaces, and key business processes of the signaling interoperability gateway in the hybrid private network. This standard applies to the research, design, functional testing, and verification of signaling interoperability gateway equipment supporting hybrid private network mode.

YD/T 6584-2025 falls under ICS 33.060.99, 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 3711-2020 - Technical requirement of IMS based vehicle eCall system based on public telecommunication network

GB/T 32401-2015 - Technical requirements and measurement methods for VHF/UHF frequency

GB/T 12572-2008 - Universal requirements and measurement methods of parameters for radio transmitting equipment

YD/T 6577-2025 - 5G digital cellular mobile telecommunication network - Technical requirements for OTA test system based on compact antenna test range for sub 6GHz gNB equipment

YD/T 6576-2025 - 5G digital cellular mobile telecommunication network - Technical requirement of gNB equipment for MBS (Phase 1)

YD/T 6574-2025 - Technical requirements and test methods of 5G device network slicing for industry

5 Classification and status

International classification (ICS): 33.060.99

Chinese Standard Classification (CCS): M 36

Prefix YD/T: recommended standard.

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