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ICS 33.060.99
CCS M36

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 6536-2025

5G digital cellular mobile telecommunication network - Technical requirement of RedCap user equipment (Phase 1)

5G数字蜂窝移动通信网轻量化（RedCap）终端设备技术要求（第一阶段）

(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-6536-2025

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1 Foreword

YD/T 6536-2025 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 requirements for transmission capabilities, service capabilities, basic protocol functions, radio frequency, interfaces, power consumption, and security of 5G lightweight terminal equipment in the mid-to-low frequency band (Sub-6GHz). This standard applies to the research, development, production, and testing of modules, user premises equipment, industry terminals, and wearable devices, but not to digital mobile phones.

YD/T 6536-2025 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 6539-2025 - 5G multi-mode digital distribution indoor system equipment technical requirements

YD/T 6538-2025 - 5G digital cellular mobile telecommunication network - Test method of sub 6GHz gNB equipment (Phase 3)

YD/T 6537-2025 - 5G digital cellular mobile telecommunication network - Technical requirement of sub 6GHz gNB equipment (Phase 3)

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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