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ICS 33.060.99
CCS M36

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4746-2024

Technical requirements for wireless self-organizing networks and minimized drive testing for 5G digital cellular mobile communication networks

5G数字蜂窝移动通信网 无线自组织网络和最小化路测技术要求

(English Translation)

Issued on: July 5, 2024 **Implemented on: October 1, 2024**

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-4746-2024

Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Abbreviations
3.1 Terms and definitions
4 General
4.1 Test environment
4.2 UE Information
4.3 Test Implementation
5 Technical requirements

1 Foreword

YD/T 4746-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 2024.

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 wireless self-organizing networks and minimized drive tests and other related technologies during 5G independent networking, including base station self-start, PCI self-configuration and self-optimization, automatic neighboring cell relations, minimized drive tests, mobile load balancing, and mobile robustness optimization. This standard is applicable to the development of base station equipment and terminal equipment in the frequency band below 6GHz for 5G digital cellular mobile communication networks.

YD/T 4746-2024 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 4740-2024 - 5G edge computing capability open technical requirements

YD/T 4738-2024 - Technical requirements for 5G mobile communication networks to support time-sensitive networking (TSN) (Phase I)

YD/T 4736-2024 - Technical requirements for 5G mobile communication network positioning system terminal equipment (Phase I)

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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