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ICS 17.240
CCS L06

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4883-2024

Technical requirements for protection of communication facility operation and maintenance personnel from exposure to radio frequency electromagnetic fields

通信设施运维人员暴露于射频电磁场的防护技术要求

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4883-2024

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1 Foreword

YD/T 4883-2024 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 three types of workers: communication radio frequency (RF) workers (RF electromagnetic field exposure is inherent in the nature of their work), informed workers (who have been provided with information on RF-EMF on-site safety operating specifications), and all other workers who should be regarded as members of the public (for the purpose of RF electromagnetic field exposure limitation). This standard mainly provides occupational protection technical guidelines for the first two types of workers (such as communication facility installation and operation and maintenance personnel) under occupational exposure conditions. This standard is applicable to communication facility operation and maintenance personnel when working near radio frequency electromagnetic fields (such as wireless communication base stations, microwave stations, etc.), providing them with correct safety protection specifications; and providing practical protection procedures for network operation and maintenance personnel who may need to work close to radio frequency emission sources (such as transmitting antennas).

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YD/T 4883-2024 falls under ICS 17.240, in the field of metrology and measurement.

This catalogue holds 5 other YD/T standards in that field.

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:

GB 4824-2025 - Industrial, scientific and medical equipment - Radio-frequency disturbance characteristics - Limits and methods of measurement

YD/T 983-2013 - Limits and methods of measurement of electromagnetic compatibility of telecommunicatin power supply equipment

GB/T 4365-2003 - Electrotechnical terminology -- Electromagnetic compatibility

YD/T 1312.15-2026 - Requirements and measurement methods of electromagnetic compatibility for radio communication equipment - Part 15: Ultra wide band (UWB) communications devices

YD/T 1312.13-2026 - Requirements and measurement methods of electromagnetic compatibility for radio communication equipment - Part 13: Power adapter of mobile telecommunication terminal equipement

YD/T 1312.11-2026 - Requirements and measurement methods of electromagnetic compatibility for radio communication equipment - Part 11: Fixed broadband wireless access system user equipment and its ancillary equipment

5 Classification and status

International classification (ICS): 17.240

Chinese Standard Classification (CCS): L 06

Prefix YD/T: recommended standard.

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