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ICS 35.02
CCS L09

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4677-2024

Protection of small communication facilities under poor grounding conditions

不良接地条件下小型通信设施的保护

(English Translation)

Issued on: March 29, 2024 **Implemented on: July 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4677-2024 was issued by Ministry of Industry and Information Technology on 29 March 2024 and has been in force since 1 July 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 protection methods and measures for small communication facilities installed under poor grounding conditions in terms of lightning protection, electrical safety, etc. This standard applies to small communication facilities powered by AC power owned by operating enterprises and managed by professional and technical personnel, and complies with the relevant requirements of the national series standard GB/T 16895. This standard also applies to devices remotely powered by a DC power supply system and complies with the relevant requirements of YD/T 1817-2017 "DC Remote Power Supply System for Communication Equipment".

YD/T 4677-2024 falls under ICS 35.02, in the field of information technology.

This catalogue holds 725 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:

GB 4943.1-2022 - Audio/video,information and communication technology equipment-Part 1: Safety requirements

GB 4943.21-2019 - Information technology equipment -- Safety -- Part 21: Remote power feeding

GB 4943.23-2012 - Information technology equipment - Safety - Part 23: Large data storage equipment

YD/T 2379.3-2026 - Environmental test requirements and test methods for telecommunications equipment - Part 3: Equipment of stationary use at non-weather-protected locations

YD/T 1542.1-2026 - Requirements and test methods for surge protective devices connected to information and telecommunication systems - Part 1: General principles

YD/T 6588-2025 - Requirements and test methods for electrical safety and lightning protection of 10kV AC input uninterruptible power system used in information communication system

5 Classification and status

International classification (ICS): 35.02

Chinese Standard Classification (CCS): L 09

Prefix YD/T: recommended standard.

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