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ICS 33.040.20
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4445-2023

Enhanced Reference Master Time (ePRTC) Equipment Technical Requirements

增强型基准主时间（ePRTC）设备技术要求

(English Translation)

Issued on: July 28, 2023 **Implemented on: November 1, 2023**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4445-2023 was issued by Ministry of Industry and Information Technology on 28 July 2023 and has been in force since 1 November 2023.

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 definition, functional structure, functional requirements, performance requirements, interface requirements, reliability and environmental requirements of the enhanced reference master time (ePRTC) equipment. This standard is applicable to the development of independent reference master time equipment that provides high-precision time synchronization and frequency synchronization services for various communication equipment.

YD/T 4445-2023 falls under ICS 33.040.20, 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 2554.1-2013 - Plastic optical fiber connector - Part 1: Type LC

GB/T 9771.1-2008 - Single-mode optical fibres for telecommunication -- Part 1: Characteristics of a dispersion unshifted single-mode optical fibre

GB/T 18480-2001 - Specification for submarine optical fiber cables

YD/T 4446-2023 - Sliced Packet Network (SPN) device testing methods

YD/T 4444-2023 - 5G small base station network management system southbound interface data model

YD/T 4443-2023 - Industrial Internet networking technologies Passive optical network (PON) equipment technical requirements

5 Classification and status

International classification (ICS): 33.040.20

Chinese Standard Classification (CCS): M 33

Prefix YD/T: recommended standard.

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