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ICS 33.040.20
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4370-2023

C-band extended optical wavelength division multiplexing (WDM) system technical requirements

C 波段扩展的光波分复用（WDM）系统技术要求

(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 4370-2023 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 technical requirements for wavelength division multiplexing (WDM) systems with single channel rates of 200Gb/s and 400Gb/s when extending C-band transmission, including system classification, system parameter requirements, OTU technical requirements, and wavelength division multiplexing Device technical requirements, optical amplifier technical requirements, dynamic power control and gain equalization technical requirements, OADM technical requirements, system monitoring channel technical requirements, transmission function and performance requirements, network management system technical requirements and APR process requirements, etc. This standard is applicable to the planning, construction, operation and maintenance of WDM systems with single-channel rates of 200Gb/s and 400Gb/s operating in the extended C-band.

YD/T 4370-2023 falls under ICS 33.040.20, in the field of telecommunications.

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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.

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 4378.3-2026 - Coherent driver modulator subassembly - Part 3: 1.2Tb/s

YD/T 4375.4-2025 - Test methods for door access control of intelligent optical distribution network - Part 4: Interface

YD/T 4377.2-2024 - Optical transceiver module software management interface - Part 2: QSFP /QSFP28

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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