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ICS 33.040.20
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4298-2023

Open and decoupled wavelength division multiplexing (WDM) system technical requirements

开放与解耦的波分复用（WDM）系统技术要求

(English Translation)

Issued on: April 21, 2023 **Implemented on: August 1, 2023**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4298-2023

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1 Foreword

YD/T 4298-2023 was issued by Ministry of Industry and Information Technology on 21 April 2023 and has been in force since 1 August 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 open and decoupled wavelength division multiplexing (WDM) systems, mainly including system architecture, system classification and application code, system parameter requirements, terminal equipment requirements, line system requirements, dynamic power control and gain equalization Technical requirements, transmission function and performance requirements, network management and control technical requirements, etc. This standard applies to the design, production and operation of open and decoupled WDM systems for metropolitan area networks.

YD/T 4298-2023 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 4302.3-2024 - Quantum Key Distribution (QKD) Network - Technical requirements for network management - Part 2: Metal furniture

YD/T 4305.4-2024 - Optical-electrical hybrid connectors for communications - Part 4: Type XC

YD/T 4305.2-2024 - Optical-electrical hybrid connectors for communications - Part 2: Duplex LC type

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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