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ICS 33.040.20
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4197-2023

Metro access type wavelength division multiplexing (WDM) system test method

城域接入型波分复用（WDM）系统测试方法

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 3 shown, 15 in the full document. Complete English PDF, instant download:
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Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Abbreviations
3.1 Terms and definitions
4 General
4.1 Test environment
4.2 UE Information
4.3 Test Implementation
5 Technical requirements

1 Foreword

YD/T 4197-2023 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 testing methods for metro access wavelength division multiplexing (WDM) systems, including system configuration and test reference point definition, optical transmitter/receiver testing, optical wavelength division multiplexer/demultiplexer testing, Transmission function and performance testing, system reliability testing, network management system function verification, etc. This standard is applicable to the testing of metro access WDM systems with single channel rates of 10Gbit/s and 25Gbit/s.

YD/T 4197-2023 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 1181.3-2026 - Characteristics of non-metal reinforcement for optical fiber cables - Part 3: aramid fiber reinforced plastic rods

YD/T 1181.1-2026 - Characteristics of non-metal reinforcement used for optical fiber cables - Part 1: Glass fiber reinforced plastic rods

YD/T 1114-2026 - Halogen-free flame retardant optical fibre cable

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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