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ICS 33.040.20
CCS M14

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4297-2023

Technical requirements for integrated reconfigurable optical add-drop multiplexing (ROADM) equipment

集成型可重构光分插复用（ROADM）设备技术要求

(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 4297-2023 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 functions and performance of integrated reconfigurable optical add-drop multiplexing (ROADM) equipment, including the reference model and reference points, technical requirements, management requirements, etc. of integrated ROADM equipment. This standard applies to the design, production and operation of integrated reconfigurable optical add-drop multiplexing (ROADM) equipment.

YD/T 4297-2023 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:

YZ/T 0173-2020 - Specifications for regulatory data access of intelligent mail and parcel locker and intelligent self-express service machine

YD/T 1730-2008 - Implementation Guide for Security Risk Assessment of Telecom Network and Internet

YD/T 1548.1-2007 - 2GHz WCDMA digital cellular mobile communication network terminal equipment testing method (second stage) - Part 1: Basic functions, operations and performance testing

YD/T 6704-2026 - Technical requirements for Mk interface of Quantum Key Distribution (QKD) network

YD/T 4293-2023 - Technical Requirements for Transport Network Slicing Subnet Management Function (TN-NSSMF) Based on Sliced Packet Network (SPN)

YD/T 4291-2023 - Technical requirements for the interface between 5G network slice management function (NSMF) and bearer network slice subnet management function (TN-NSSMF) based on sliced packet network (SPN)

5 Classification and status

International classification (ICS): 33.040.20

Chinese Standard Classification (CCS): M 14

Prefix YD/T: recommended standard.

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