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ICS 33.040
CCS M15

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4829.1-2024

Technical requirements for network management of semi-active wavelength division multiplexing equipment for 5G fronthaul - Part 1: Network management system for CWDM and MWDM equipment

面向5G前传的半有源波分复用设备网络管理技术要求 第1部分：CWDM和MWDM设备网络管理系统

(English Translation)

Issued on: July 5, 2024 **Implemented on: October 1, 2024**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4829.1-2024 was issued by Ministry of Industry and Information Technology on 5 July 2024 and has been in force since 1 October 2024.

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 network management of semi-active wavelength division multiplexing equipment for 5G fronthaul, mainly including configuration management, fault management, performance management, topology management, user management, system management, etc. This standard is applicable to the network management system of semi-active wavelength division multiplexing equipment for 5G fronthaul, managing CWDM and MWDM equipment and networks.

YD/T 4829.1-2024 falls under ICS 33.040, 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 6886-2026 - Technical requirements for network and computation cooperation in access and broadband customer network - Application scenario

YD/T 6759-2026 - Requirements and use cases for intelligent operation and management of information & communication network - Slicing packet network (SPN) maintenance

YD/T 4815-2024 - Content distribution network service performance test requirements

5 Classification and status

International classification (ICS): 33.040

Chinese Standard Classification (CCS): M 15

Prefix YD/T: recommended standard.

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