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ICS 33.040.20
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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4013.6-2023

Metro Nx25Gbit/s Wavelength Division Multiplexing (WDM) System Technical Requirements - Part 6: Southbound Interface

城域N×25Gbit/s波分复用（WDM）系统技术要求 第6部分：南向接口

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4013.6-2023 was issued by Ministry of Industry and Information Technology on 21 April 2023 and has been in force since 1 August 2023.

It is one of 6 parts of the YD/T 4013 series.

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.

2 Scope Preview

This standard specifies the technical requirements for the southbound interface of the metropolitan N'25Gbit/s wavelength division multiplexing (WDM) system, mainly including the management and control architecture of the metropolitan N'25Gbit/s wavelength division multiplexing (WDM) system, Southbound interface functional requirements, southbound interface protocol requirements, southbound interface information model, southbound interface operation definition, etc. This standard is applicable to the design and testing of metropolitan N-25Gbit/s wavelength division multiplexing (WDM) systems in scenarios such as 5G fronthaul applications.

YD/T 4013.6-2023 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

Other parts of this standard:

YD/T 4013.1-2022 - Metro N??25Gbit/s Wavelength Division Multiplexing (WDM) System Technical Requirements - Part 1: General Technical Requirements

YD/T 4013.2-2022 - Metro N??25Gbit/s Wavelength Division Multiplexing (WDM) System Technical Requirements - Part 2: CWDM

YD/T 4013.3-2022 - Metropolitan Nx25Gbit/s Wavelength Division Multiplexing (WDM) System Technical Requirements - Part 3: LWDM

YD/T 4013.4-2022 - Metropolitan N??25Gbit/s Wavelength Division Multiplexing (WDM) System Technical Requirements - Part 4: MWDM

YD/T 4013.5-2022 - Metro N??25Gbit/s wavelength division multiplexing (WDM) system technical requirements - Part 5: DWDM

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

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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