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ICS 33.040.20
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4013.3-2022

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

城域N×25Gbit/s波分复用（WDM）系统技术要求 第3部分：LWDM

(English Translation)

Issued on: September 30, 2022

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4013-3-2022

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1 Foreword

YD/T 4013.3-2022 was issued by Ministry of Industry and Information Technology on 30 September 2022.

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 metropolitan Nx25Gbit/s fine wavelength division multiplexing (LWDM) systems, mainly including system overview, equipment form classification, system function and performance requirements, optical interface parameter requirements, optical multiplexer/demultiplexer Multiplexer requirements, network management and control requirements, power supply and grounding requirements, working environment requirements, etc. This standard is applicable to the design, development and production of single-fiber bidirectional Nx25Gbit/s LWDM systems without amplifiers in scenarios such as 5G fronthaul applications. Dual-fiber bidirectional Nx25Gbit/sLWDM systems can also be implemented with reference.

YD/T 4013.3-2022 falls under ICS 33.040.20, in the field of telecommunications.

This catalogue holds 3,420 other YD/T standards in that field.

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In this catalogue, YD/T standards carry edition years from 1982 to 2026.

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 4013.4-2022 - 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

YD/T 4013.6-2023 - Metro Nx25Gbit/s Wavelength Division Multiplexing (WDM) System Technical Requirements - Part 6: Southbound Interface

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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