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ICS 33.040.20
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4374-2023

Software-defined synchronization network testing method

软件定义同步网测试方法

(English Translation)

Issued on: July 28, 2023 **Implemented on: November 1, 2023**

Issued by: Ministry of Industry and Information Technology

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https://chinastandards.org/standards/yd-t-4374-2023

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1 Foreword

YD/T 4374-2023 was issued by Ministry of Industry and Information Technology on 28 July 2023 and has been in force since 1 November 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 software-defined synchronization networks, including synchronization network configuration management function testing, synchronization network protection and recovery function testing, synchronization network fault management function testing, and synchronization network performance management function testing. This standard is applicable to the testing of software-defined synchronization network controllers and equipment. Equipment types include synchronization equipment, transmission equipment, and PON access network equipment. Transmission equipment mainly includes packet transport network equipment, slicing packet network equipment, optical transport network equipment, packet enhanced optical transport network equipment, etc. Other equipment can also be implemented by reference.

YD/T 4374-2023 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

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 4378.3-2026 - Coherent driver modulator subassembly - Part 3: 1.2Tb/s

YD/T 4375.4-2025 - Test methods for door access control of intelligent optical distribution network - Part 4: Interface

YD/T 4377.2-2024 - Optical transceiver module software management interface - Part 2: QSFP /QSFP28

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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