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YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 3344.1-2018

Access network technical requirements 40 Gbit/s passive optical network (NG-PON2) Part 1: General requirements

接入网络技术要求 40Gbit/s 无源光网络（NG-PON2) 第1部分：总体要求

(English Translation)

Issued on: December 21, 2018 **Implemented on: April 1, 2019**

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 3344.1-2018 was issued by Ministry of Industry and Information Technology on 21 December 2018 and has been in force since 1 April 2019.

It is one of 3 parts of the YD/T 3344 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 overall requirements of the NG-PON2 system, including system architecture, evolution requirements, service capability requirements, physical layer requirements, system requirements, and management and maintenance requirements. This standard applies to NG-PON2 equipment of public telecommunication networks, and other dedicated telecommunication networks can also be used for reference.

YD/T 3344.1-2018 is filed under Chinese Standard Classification M42, in the field of

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telecommunications and broadcasting.

This catalogue holds 2,288 other YD/T standards without an ICS number.

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 3344.2-2018 - Technical requirements for access network-40Gbit/s passive optical network (NG-PON2)--Part 2: Physical media dependent layer

YD/T 3344.3-2018 - 40Gbit/s passive optical network (NG-PON2) Part 3: TC layer

Standards on related subjects:

YD/T 1092-2023 - Telecommunication cables - Foamed polyolefin dielectric, corrugated copper-tube outer conductor, 50 Ohm radio-frequency coaxial cable for wireless communications

YD/T 2165-2010 - Technical specification of modular uninterruptible power systems for telecommunications

YD/T 841-1996 - Underground communication pipe with plastic pipe

YD/T 3347.8-2024 - Testing method of broadband customer intelligent gateway based on public telecommunication network - Part 8: Security of smart gateway equipment for households

5 Classification and status

Chinese Standard Classification (CCS): M 42

Prefix YD/T: recommended standard.

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