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ICS 33.040.20
CCS M33

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 3686-2020

Super 100Gb/s Optical Transport Network (OTN) network technical requirements

超100Gb/s光传送网（OTN）网络技术要求

(English Translation)

Implemented on: July 1, 2020

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 3 shown, 36 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-3686-2020

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Table of Contents

[Preview only]
1 Scope
2 Normative references
3 Abbreviations
3.1 Terms and definitions
4 General
4.1 Test environment
4.2 UE Information
4.3 Test Implementation
5 Technical requirements

1 Foreword

YD/T 3686-2020 is issued by Ministry of Industry and Information Technology.

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 36 pages in English translation.

2 Scope Preview

This standard specifies the network technical requirements for Optical Transport Network (OTN) exceeding 100Gb/s. The main contents include: OTN network functional architecture, interface requirements, mapping and multiplexing structure, performance requirements, device types, protection requirements, synchronization requirements, DCN implementation, network management and control plane requirements, etc. This standard is applicable to super 100Gb/s OTN network. The equipment types include OTN terminal multiplexing equipment and OTN cross-connect equipment. Among them, OTN cross-connect equipment mainly includes: super 100Gb/s OTN electrical cross-connect equipment, super 100Gb/s OTN optical cross-connect equipment And the equipment with super 100Gb/s OTN electrical crossover and optical crossover functions at the same time.

YD/T 3686-2020 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 36 pages (approximate)

Chinese original: about 53,563 characters

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 3692.3-2021 - Intelligent Optical Distribution Network Technical Requirements for Intelligent Access Control - Part 3: Intelligent Access Control Management Terminal and Application

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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