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ICS 33.040
CCS M15

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 3727.1-2020

Packet enhanced optical transport network (OTN) network management technical requirements - Part 1: Basic principles

分组增强型光传送网（OTN）网络管理技术要求 第1部分：基本原则

(English Translation)

Implemented on: July 1, 2020

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 3727.1-2020 is issued by Ministry of Industry and Information Technology.

It is one of 5 parts of the YD/T 3727 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 basic principles for formulating the "Technical Requirements for Network Management of Packet-enhanced Optical Transport Network (OTN)" standard, specifies the management scope of packet-enhanced Optical Transport Network (OTN) network management requirements, architecture, etc., and when formulating this standard The methodology adopted, the management interface location defined and the communication protocol stack used. This standard applies to packet-enhanced Optical Transport Network (OTN) network management systems.

YD/T 3727.1-2020 falls under ICS 33.040, 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 8 pages (approximate)

Chinese original: about 11,197 characters

4 Related standards

Other parts of this standard:

YD/T 3727.2-2020 - Part 2: NMS system functions

YD/T 3727.3-2022 - Packet-enhanced Optical Transport Network (OTN) Network Management Technical Requirements - Part 3: EMS-NMS Interface Function

YD/T 3727.4-2022 - Packet-enhanced Optical Transport Network (OTN) Network Management Technical Requirements - Part 4: Generic Information Model for EMS-NMS Interface

YD/T 3727.5-2022 - Packet-enhanced Optical Transport Network (OTN) Network Management Technical Requirements - Part 5: EMS-NMS Interface Information Model Based on XML/SOAP Technology

Standards on related subjects:

YZ/T 0173-2020 - Specifications for regulatory data access of intelligent mail and parcel locker and intelligent self-express service machine

YD/T 1730-2008 - Implementation Guide for Security Risk Assessment of Telecom Network and Internet

YD/T 1548.1-2007 - 2GHz WCDMA digital cellular mobile communication network terminal equipment testing method (second stage) - Part 1: Basic functions, operations and performance testing

5 Classification and status

International classification (ICS): 33.040

Chinese Standard Classification (CCS): M 15

Prefix YD/T: recommended standard.

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