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ICS 33.040.50
CCS M42

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 4114.2-2023

Optical line terminal (OLT) virtualization technical requirements (Phase 1) - Part 2: VOMCI module northbound interface

光线路终端（OLT）虚拟化技术要求（第一阶段） 第2部分：vOMCI模块北向接口

(English Translation)

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

Issued by: Ministry of Industry and Information Technology

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1 Foreword

YD/T 4114.2-2023 was issued by Ministry of Industry and Information Technology on 28 July 2023 and has been in force since 1 November 2023.

It is one of 3 parts of the YD/T 4114 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 function definition, protocol stack and message format of the vOMCI module northbound interface. This standard is applicable to the research and development, testing and operation of OLT virtualization of PON systems in public telecommunications network environments. Private telecommunications networks can also be used as a reference.

YD/T 4114.2-2023 falls under ICS 33.040.50, 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 15 pages (approximate)

4 Related standards

Other parts of this standard:

YD/T 4114.1-2022 - Optical Line Terminal (OLT) Virtualization Technical Requirements (Phase 1) - Part 1: General

YD/T 4114.3-2023 - Optical Line Terminal (OLT) Virtualization Technical Requirements (Phase 1) - Part 3: VOMCI Module Southbound Interface

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 4115-2022 - Access network technology requires 10Gbit/s symmetric passive optical network (XGS-PON) system interoperability

5 Classification and status

International classification (ICS): 33.040.50

Chinese Standard Classification (CCS): M 42

Prefix YD/T: recommended standard.

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