

ICS 33.040.50
CCS M 42

YD

**INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

YD/T 4114.1-2022

**Optical Line Terminal (OLT) Virtualization Technical
Requirements (Phase 1) - Part 1: General**

光线路终端（OLT）虚拟化技术要求（第一阶段）第1部分：总体
(English Translation)

Issued on: September 30, 2022

Implemented on: January 1, 2023

Issued by: Ministry of Industry and Information Technology

Table of Contents

What this standard covers	1
Document data	2

What this standard covers

This standard specifies the implementation principles, overall architecture, technical requirements for virtualization of ONU management functions, requirements for OLT equipment, system scalability, system availability, and system security for optical line terminal (OLT) equipment to implement network function virtualization (first stage). , system performance and other technical requirements. This document is applicable to the R&D, testing and operation of PON system OLT virtualization in the public telecommunication network environment, and it can also be used as a reference for private telecommunication networks.

Document data

International classification (ICS): 33.040.50.

Chinese classification (CCS): M42.

Estimated length of the Chinese original: 24,290 words.