

ICS 33.040.20
CCS M 30

YD

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

YD/T 1634-2025

Replacing YD/T 1634-2016

**Optical Transport Network physical layer interfaces
(English Translation)**

Issued on: July 2, 2025

Implemented on: November 1, 2025

Issued by: Ministry of Industry and Information Technology

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What this standard covers

This standard specifies the technical requirements for inter-domain physical layer interfaces (IrDI) in optical networks that can utilize wavelength division multiplexing (WDM) technology. It mainly includes the classification of physical layer interfaces for optical transport networks (OTN), interface compatibility, definitions of optical interface parameters, optical interface parameter values, and optical security considerations. This standard applies to IrDIs for OTN conforming to ITU-T G.709, and also to IrDIs for non-OTN systems incompatible with OTN as defined in ITU-T G.871. This standard applies to intra-office, short-distance, and long-distance systems without line optical amplifiers.

Document data

International classification (ICS): 33.040.20.

Chinese classification (CCS): M30.

Supersedes the earlier edition YD/T 1634-2016.