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

YD/T 1991-2016

Replacing YD/T 1991-2009

**Technical requirements NX40Gbit/s optical wavelength division
multiplexing(WDM)systems**

**N × 40Gbit/s光波分复用 (WDM) 系统技术要求
(English Translation)**

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What this standard covers

This standard specifies the technical requirements for single-channel rate 40Gbit/s Dense Wavelength Division Multiplexing (DWDM) systems for C-band transmission, including system classification, system parameter requirements, optical wavelength conversion unit (OTU) technical requirements, and wavelength division. Basic requirements for multiplexed devices, optical amplifier technical requirements, dispersion compensation technical requirements, forward error correction (FEC) technical requirements, dynamic power control and gain equalization requirements, optical add/drop multiplex (OADM) technical requirements, optical monitoring paths Requirements, transport capabilities and performance requirements, network management requirements, and automatic power reduction (APR) process requirements.

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