

ICS 33.040.20
CCS M33

YD

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

YD/T 6666-2026

**Technical requirements for 800Gbit/s Optical Transport Network
(OTN) interface**

800Gbit/s光传送网（OTN）接口技术要求
(English Translation)

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Foreword

YD/T 6666-2026 is a recommended industry standard of the People's Republic of China in the Telecom sector, approved and issued by the Ministry of Industry and Information Technology on 11 March 2026, with effect from 1 June 2026.

It is administered by the China Communications Standards Association.

Classification: ICS 33.040.20; CCS M33.

1 Scope

YD/T 6666-2026 specifies the technical requirements for the 800Gbit/s Optical Transport Network (OTN) interface. It covers the line rate and frame structure of the 800Gbit/s flexible OTN (FlexO) interface, and the way 800Gbit/s Ethernet services are mapped and carried. The document applies to the development, testing and application of 800Gbit/s OTN equipment in short-reach inter-domain interconnection scenarios.

The standard is used by optical transport equipment and module manufacturers, by test laboratories, and by network operators who plan or procure high-speed interconnection. It is a voluntary standard, as shown by the /T in its code. It was issued by the Ministry of Industry and Information Technology on 11 March 2026 and takes effect on 1 June 2026. It is a new standard.