

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

**YD/T 2277-2011**

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**Technical requirements for access network. PON optical line  
test and diagnostics**

接入网技术要求 无源光网络（PON）光链路监测与诊断  
**(English Translation)**

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### What this standard covers

This standard specifies the system, interface protocol and function related to PON optical link side test and diagnosis, the technical requirements, test and diagnosis flow of OLT/terminal equipment ONU, and the test index of key parameters of optical link. This standard only covers the side of the common PON system optical physical layer fault test and diagnosis, but also related to the PON optical physical layer is closely related to the part of the PON transmission layer fault testing and diagnosis, does not involve other levels or other types of fault diagnosis test. This standard is applicable to the PON system which standardizes the monitoring and diagnosis function of the optical link of the PON system of the public telecommunication network. Dedicated telecommunications network can also refer to the use.

### Document data

Chinese classification (CCS): M42.

Estimated length of the Chinese original: 44,483 words.

### Standards quoted by this document

YD/T 1949.4-2011; YD/T 1475-5006; ITU-TG.984.4(02/28); AMENDMENT 1(06/09); IETF RFC 1157