

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

**YD/T 1948.1-2011**

---

**Technical requirement of Ethernet over Transport. Part 1:  
Architecture of ethernet layer networks**

传送网承载以太网（EoT）技术要求 第1部分：以太网层网络的体系结构  
**(English Translation)**

**Issued on: December 20, 2011**

**Implemented on: February 1, 2012**

---

**Issued by: Ministry of Industry and Information Technology**

## Table of Contents

|                                         |   |
|-----------------------------------------|---|
| What this standard covers .....         | 1 |
| Document data .....                     | 2 |
| Standards quoted by this document ..... | 3 |

### What this standard covers

This standard specifies the functional architecture of the Ethernet layer network, including the hierarchical structure of the Ethernet network, customer characteristic information, customer relationship and network topology, and the provision of Ethernet signal transmission, multiplexing, routing, monitoring, Performance evaluation and network survivability of the layer network function. This standard applies to PDH, SDH, ATM, OTH, RPR, MPLS/MPLS-TP, WDM and other transport network carrying Ethernet network, other telecommunications network technology can also refer to the use. Note: The functional architecture of the service layer network used by the Ethernet network is outside the scope of this standard.

### Document data

Chinese classification (CCS): M33.

Estimated length of the Chinese original: 112,199 words.

Adopted international standard: ITU-T G.8010-2004, NEQ.

### Standards quoted by this document

YD/T 1017-2011; YD/T 1462-2011; ITU-T G.800; ITU-T G.805; ITU-T G.809; ITU-T G.7041(2008); ITU-T G.7710(2007); ITU-T G.8010; ITU-T G.8011; ITU-T G.8012; ITU-T G.8021; ITU-T G.8031; ITU-T G.8032; ITU-T G.808.1(2010); ITU-T G.8110.1; ITU-T X.731; ITU-T Y.1730; ITU-T Y.1731; IEEE 802.LAD-2005; IEEE 802.1AG-2007; IEEE 842.1D-2004; IEEE 802.1Q-2005; IEEE 802.LQAW-2009; IEEE 802.17-2004; IEEE 802.2-1998; IEEE 802.3-2008; IETF RFC 2684; MEF4; MEF12