Chinastandards.org

CCS L79

YD

INDUSTRY STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

YD/T 1179-2002

Technical Specification of Ethernet over SDH

在同步数字体系(SDH)上传送以太网帧的技术规范

(English Translation)

Issued on: February 1, 2002 **Implemented on: February 1, 2002**

Issued by: Ministry of Industry and Information Technology

Preview: page 1 of 4 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-1179-2002

Chinastandards.org

Table of Contents

[Preview only]
1 Scope
2 Normative References
2.1 Term
3 Terms and Definitions
3.2 Abbreviations
3.3 Specifications
3.4 Product model and designation
3.5 Product marking
4 Product Classification
4.1 General
4.2 Model and name
4.3 Test Waveform
4.4 Product labelling
5 Requirements
5.2 Chemical components
5.3 SPD Disconnector Inspection
5.4 Environmental protection property
5.5 Material compatibility
5.6 Spurious emission
5.7 Transmit Spectrum Mask
5.8 Time of Rising Edge and Falling Edge
5.9 In-band Flatness
6 Test methods
6.2 Term restrictions
6.3 End-of-manufacturing inspection
6.4 Type inspection
6.5 Phone Program
6.6 OTASP/OTAPA Function
6.7 Processing of PIN
6.8 Fixed Dialing Number (FDN)
6.9 Abbreviated Dialing Number (ADN)

Preview: page 2 of 4 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-1179-2002

7 Inspection Rules
7.1 Packaging
7.2 Marking
7.3 Transport
7.4 Storage
7.5 Safety Test for Temporary Overvoltage Failure
7.6 Test of Temporary Overvoltage Withstand Characteristic
7.7 SPD Thermal Stability Test
8 Marking, Packing, Transport and Storage
8.1 Voltage Drop Test
8.2 Surge Withstand Capability at Load side
8.3 Short-circuit Withstand Capability at Load Side
9 Environmental Applicability Test
9.1 Vibration Test
9.2 High Temperature Test
9.3 Low Temperature Test
9.4 Alternating Humid Heat Test
9.5 Performance requirements for radio resource management

1 Foreword

YD/T 1179-2002 was issued by Ministry of Industry and Information Technology on 1 February 2002 and took effect the same day.

The YD/T prefix marks a recommended standard. It is not law in itself: it becomes binding when a contract names it, when a regulation or a mandatory standard refers to it, or when a producer declares conformity with it.

The document runs to 9 pages in English translation.

2 Scope Preview

This standard specifies the Ethernet frame (defined by the working group IEEE802. 3) over SDH protocol stack, which can be used for synchronous digital hierarchy (ITU-T G. 707 standard). ITU-T X. 85/Y. 1321 introduced LAPS protocol standard and norms continue to be used for the Ethernet adapter to provide LAPS. Describes a similar HOLC LAPS framing structure used to package IEEE 802. 3 Ethernet MAC frame, which provides a point to point full duplex operation. LAPS, Ethernet and SDH physical layer as well as the relationship between the rate adaptation layer shown in Figure l, in the coordination of sub- layer has

Preview: page 3 of 4 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-1179-2002

the flow control function. This standard does not specify the specific LAPS to SDH mapping method for all Ethernet-based protocols (including IEEE 802. 3 Ethernet) and all the SDH standard without any alteration.

YD/T 1179-2002 is filed under Chinese Standard Classification L79, in the field of electronic components and information technology.

This catalogue holds 2,288 other YD/T standards without an ICS number.

In this catalogue, YD/T standards carry edition years from 1982 to 2026.

3 About this standard

Sector: Telecommunication Industry Standard (Recommended)

Issued by: Ministry of Industry and Information Technology

English translation: about 9 pages (approximate)

Chinese original: about 14,195 characters

4 Related standards

Standards on related subjects:

GB/T 17969.1-2015 - Information technology -- Open systems interconnection -- Procedures for the operation of OSI registration authorities -- Part 1: General procedures and top arcs of the International Object Identifier tree

GB/T 17143.7-1997 - Information technology. Open Systems Interconnection. Systems Management. Part 7: Security alarm reporting function

GB/T 17143.4-1997 - Information technology. Open Systems Interconnection. Systems Management. Part 4: Alarm reporting function

YD/T 6543-2025 - Requirements of the greenhouse gas emission accounting and reporting - Communication base station

YD/T 6116.2-2025 - Computing Power Interoperability Requirements - Part 2: Computing Power Scheduling

YD/T 1177-2024 - IP multicast system architecture and basic protocols

5 Classification and status

Chinese Standard Classification (CCS): L 79

Prefix YD/T: recommended standard.

Preview: page 4 of 4 shown, 9 in the full document. Complete English PDF, instant download:
https://chinastandards.org/standards/yd-t-1179-2002