

802.1D references

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802.1D-2004

- All relevant content from .1D is contained in .1Q
 - [IEEE 802.1Q-2018](#)
 - [IEEE/ISO/IEC 8802-1Q-2020](#)
- Already withdrawn
 - IEEE 802.1D-1993 – superseded in 1998
 - [ISO/IEC 10038:1993](#) – withdrawn in 1998
 - [IEEE 802.1D-1998](#) – superseded in 2004
 - [ISO/IEC 15802-3:1998](#) – withdrawn in 2019
- Plan to actively withdraw before expiration at end of 2021
 - [IEEE 802.1D-2004](#) [802.1 webpage](#)
 - Process is simply to initiate an SA ballot on withdrawal following a WG motion

Outstanding references to 802.1D?

- A web search indicates there may be given these hits
 - 1 million total hits
 - ~2000 in IETF RFCs.
 - ~1800 in 3GPP TR & TS.
 - ~200 in IEEE standards.
 - ~100 in CableLabs specs.
 - ~60 in ITU-T Recommendations
 - ~60 in MEF technical standards
 - ~30 in ISO standards
 - 0 in IEC standards
 - ...
- These should be studied to ensure no adverse effects from withdrawal
 - Send liaison to originating SDO
 - Should focus on normative references

IEEE 802 standards

| Standard | Normative | Informative | Textual | Clauses |
|--------------------|-----------|-------------|---------|--|
| IEEE 802-2004 | X | | | 4.4, 5.3.2.1, 5.3.2.4, 8.2.4 |
| IEEE 802.1BA-2011 | | | X | 5 |
| IEEE 802.1BR-2012 | | X | | 6.10.1 |
| IEEE 802.1Q-2018 | | X | | 3.250, 17.2.2, 17.2.4, 17.3.2.2, 17.3.2.3, 17.7, G.3, P.1, |
| IEEE 802.3-2018 | X | | | 1.4.163, 1.4.401, 1.4.465, 2.3.1, 2.3.2.5, 31B.1, 31D.1, 64.3.2.3, 67.1, 77.3.2.3, 57A.3 |
| IEEE 802.3.1-2013 | X | | | 9.1.1.5, 9.1.2, 9.3.4, 9.6 |
| IEEE 802.11-2016 | | X | | 5.1.1.2, 9.4.2.31, 10.2.4.2, 14.11.1, M.4, R.3.3, S.2.1 |
| IEEE 802.11ak-2018 | | | X | 3.2, 4.5.3.3, 5.1.1.2, 14.11.1, M.4, R.3.4 |
| IEEE 802.15.3-2016 | | | X | B.3 |
| IEEE 802.16-2017 | X | | | 5.3, 11.13.18.3.3.11 |

- Superseded standards not included

IETF Summary

| Document | Normative | Informative | Textual |
|----------------|-----------|-------------|---------|
| RFC | 35 | 23 | 25 |
| Internet Draft | 0 | 2 | 0 |

- Quick web search was from <https://tools.ietf.org/html/> (~2000 results)
- Short Python program searched <https://tools.ietf.org/rfc/index>
 - Obsoleted RFCs and expired internet drafts not included
 - Determined normative and informative references in the documents
- 85 documents identified
- Some documents have 50 or more appearances of “802.1D”

IETF RFCs – with normative reference

| Document Name | Date |
|--|-----------------|
| RFC 1525 - Definitions of Managed Objects for Source Routing Bridges | September, 1993 |
| RFC 1749 - IEEE 802.5 Station Source Routing MIB using SMIv2 | December, 1994 |
| RFC 1795 - Data Link Switching: Switch-to-Switch Protocol AIW DLSw RIG: DLSw Closed Pages, DLSw Standard Version 1 | April, 1995 |
| RFC 2024 - Definitions of Managed Objects for Data Link Switching using SMIv2 | October, 1996 |
| RFC 2114 - Data Link Switching Client Access Protocol | February, 1997 |
| RFC 2427 - Multiprotocol Interconnect over Frame Relay | September, 1998 |
| RFC 2470 - Transmission of IPv6 Packets over Token Ring Networks | December, 1998 |
| RFC 2475 - An Architecture for Differentiated Services | December, 1998 |
| RFC 2613 - Remote Network Monitoring MIB Extensions for Switched Networks Version 1.0 | June, 1999 |
| RFC 2643 - Cabletron's SecureFast VLAN Operational Model | August, 1999 |
| RFC 2764 - A Framework for IP Based Virtual Private Networks | February, 2000 |
| RFC 2814 - SBM (Subnet Bandwidth Manager): A Protocol for RSVP-based Admission Control over IEEE 802-style networks | May, 2000 |
| RFC 2815 - Integrated Service Mappings on IEEE 802 Networks | May, 2000 |
| RFC 2816 - A Framework for Integrated Services Over Shared and Switched IEEE 802 LAN Technologies | May, 2000 |
| RFC 2895 - Remote Network Monitoring MIB Protocol Identifier Reference | August, 2000 |
| RFC 3270 - Multi-Protocol Label Switching (MPLS) Support of Differentiated Services | May, 2002 |
| RFC 3290 - An Informal Management Model for DiffServ Routers | May, 2002 |
| RFC 3422 - Forwarding Media Access Control (MAC) Frames over Multiple Access Protocol over Synchronous Optical Network/Synchronous Digital Hierarchy (MAPOS) | November, 2002 |
| RFC 3488 - Cisco Systems Router-port Group Management Protocol (RGMP) | February, 2003 |
| RFC 3518 - Point-to-Point Protocol (PPP) Bridging Control Protocol (BCP) | April, 2003 |
| RFC 4188 - Definitions of Managed Objects for Bridges | September, 2005 |
| RFC 4318 - Definitions of Managed Objects for Bridges with Rapid Spanning Tree Protocol | December, 2005 |
| RFC 4363 - Definitions of Managed Objects for Bridges with Traffic Classes, Multicast Filtering, and Virtual LAN Extensions | January, 2006 |
| RFC 4389 - Neighbor Discovery Proxies (ND Proxy) | April, 2006 |
| RFC 4541 - Considerations for Internet Group Management Protocol (IGMP) and Multicast Listener Discovery (MLD) Snooping Switches | May, 2006 |
| RFC 4675 - RADIUS Attributes for Virtual LAN and Priority Support | September, 2006 |
| RFC 4762 - Virtual Private LAN Service (VPLS) Using Label Distribution Protocol (LDP) Signaling | January, 2007 |
| RFC 4837 - Managed Objects of Ethernet Passive Optical Networks (EPON) | July, 2007 |
| RFC 4957 - Link-Layer Event Notifications for Detecting Network Attachments | August, 2007 |
| RFC 5171 - Cisco Systems UniDirectional Link Detection (UDLD) Protocol | April, 2008 |
| RFC 5692 - Transmission of IP over Ethernet over IEEE 802.16 Networks | October, 2009 |
| RFC 5777 - Traffic Classification and Quality of Service (QoS) Attributes for Diameter | February, 2010 |
| RFC 6325 - Routing Bridges (Rbridges): Base Protocol Specification | July, 2011 |
| RFC 7436 - IP-Only LAN Service (IPLS) | January, 2015 |
| RFC 7727 - Spanning Tree Protocol (STP) Application of the Inter-Chassis Communication Protocol (ICCP) | January, 2016 |

IETF RFCs – with informative reference

| Document Name | Date |
|---|-----------------|
| RFC 3819 - Advice for Internet Subnetwork Designers | July, 2004 |
| RFC 4664 - Framework for Layer 2 Virtual Private Networks (L2VPNs) | September, 2006 |
| RFC 4665 - Service Requirements for Layer 2 Provider-Provisioned Virtual Private Networks | September, 2006 |
| RFC 4710 - Real-time Application Quality-of-Service Monitoring (RAQMON) Framework | October, 2006 |
| RFC 4712 - Transport Mappings for Real-time Application Quality-of-Service Monitoring (RAQMON) Protocol Data Unit (PDU) | October, 2006 |
| RFC 4761 - Virtual Private LAN Service (VPLS) Using BGP for Auto-Discovery and Signaling | January, 2007 |
| RFC 4840 - Multiple Encapsulation Methods Considered Harmful | April, 2007 |
| RFC 4903 - Multi-Link Subnet Issues | June, 2007 |
| RFC 4947 - Address Resolution Mechanisms for IP Datagrams over MPEG-2 Networks | July, 2007 |
| RFC 4968 - Analysis of IPv6 Link Models for 802.16 Based Networks | August, 2007 |
| RFC 5180 - IPv6 Benchmarking Methodology for Network Interconnect Devices | May, 2008 |
| RFC 5501 - Requirements for Multicast Support in Virtual Private LAN Services | March, 2009 |
| RFC 5556 - Transparent Interconnection of Lots of Links (TRILL): Problem and Applicability Statement | May, 2009 |
| RFC 5695 - MPLS Forwarding Benchmarking Methodology for IP Flows | November, 2009 |
| RFC 6246 - Virtual Private LAN Service (VPLS) Interoperability with Customer Edge (CE) Bridges | June, 2011 |
| RFC 6620 - FCFS SAVI: First-Come, First-Served Source Address Validation Improvement for Locally Assigned IPv6 Addresses | May, 2012 |
| RFC 6748 - Optional Advanced Deployment Scenarios for the Identifier-Locator Network Protocol (ILNP) | November, 2012 |
| RFC 7080 - Virtual Private LAN Service (VPLS) Interoperability with Provider Backbone Bridges | December, 2013 |
| RFC 7133 - Information Elements for Data Link Layer Traffic Measurement | May, 2014 |
| RFC 7348 - Virtual eXtensible Local Area Network (VXLAN): A Framework for Overlaying Virtualized Layer 2 Networks over Layer 3 Networks | August, 2014 |
| RFC 7432 - BGP MPLS-Based Ethernet VPN | February, 2015 |
| RFC 7938 - Use of BGP for Routing in Large-Scale Data Centers | August, 2016 |
| RFC 8466 - A YANG Data Model for Layer 2 Virtual Private Network (L2VPN) Service Delivery | October, 2018 |

IETF RFCs – with textual mention

| Document Name | Date |
|---|-----------------|
| RFC 1299 - Summary of 1200-1299 | January, 1997 |
| RFC 1356 - Multiprotocol Interconnect on X.25 and ISDN in the Packet Mode | August, 1992 |
| RFC 1499 - Summary of 1400-1499 | January, 1997 |
| RFC 2099 - Request for Comments Summary RFC Numbers 2000-2099 | March, 1997 |
| RFC 2285 - Benchmarking Terminology for LAN Switching Devices | February, 1998 |
| RFC 2467 - Transmission of IPv6 Packets over FDDI Networks | December, 1998 |
| RFC 2899 - Request for Comments Summary RFC Numbers 2800-2899 | May, 2001 |
| RFC 3512 - Configuring Networks and Devices with Simple Network Management Protocol (SNMP) | April, 2003 |
| RFC 3599 - Request for Comments Summary RFC Numbers 3500-3599 | December, 2003 |
| RFC 3809 - Generic Requirements for Provider Provisioned Virtual Private Networks (PPVPN) | June, 2004 |
| RFC 4149 - Definition of Managed Objects for Synthetic Sources for Performance Monitoring Algorithms | August, 2005 |
| RFC 4504 - SIP Telephony Device Requirements and Configuration | May, 2006 |
| RFC 4663 - Transferring MIB Work from IETF Bridge MIB WG to IEEE 802.1 WG | September, 2006 |
| RFC 4958 - A Framework for Supporting Emergency Telecommunications Services (ETS) within a Single Administrative Domain | July, 2007 |
| RFC 5110 - Overview of the Internet Multicast Routing Architecture | January, 2008 |
| RFC 5154 - IP over IEEE 802.16 Problem Statement and Goals | April, 2008 |
| RFC 6074 - Provisioning, Auto-Discovery, and Signaling in Layer 2 Virtual Private Networks (L2VPNs) | January, 2011 |
| RFC 6221 - Lightweight DHCPv6 Relay Agent | May, 2011 |
| RFC 6850 - Definitions of Managed Objects for Routing Bridges (RBridges) | January, 2013 |
| RFC 6933 - Entity MIB (Version 4) | May, 2013 |
| RFC 7222 - Quality-of-Service Option for Proxy Mobile IPv6 | May, 2014 |
| RFC 7561 - Mapping Quality of Service (QoS) Procedures of Proxy Mobile IPv6 (PMIPv6) and WLAN | June, 2015 |
| RFC 8034 - Active Queue Management (AQM) Based on Proportional Integral Controller Enhanced PIE) for Data-Over-Cable Service Interface Specifications (DOCSIS) Cable Modems | February, 2017 |
| RFC 8325 - Mapping Diffserv to IEEE 802.11 | February, 2018 |
| RFC 8578 - Deterministic Networking Use Cases | May, 2019 |

IETF Internet-Drafts – with informative reference

- draft-lee-randomized-macaddr-ps-01 - Problem Statements for MAC Address Randomization

Expires March 26, 2021

- draft-ietf-mpls-rmr-13 - Resilient MPLS Rings

Expires February 13, 2021

3GPP SA2 – with normative reference

| Document Name | Date |
|-----------------------|----------------|
| 3GPP TR 23.836 | November 2005 |
| 3GPP TS 23.234 | September 2014 |

- Search of <http://isearch.3gpp.org/> provided ~1800 results
- Most results were different versions (~80) of TS 23.234 which has numerous instances of “802.1D”

CableLabs Summary

| Document Type | Normative | Informative | Textual |
|---------------|-----------|-------------|---------|
| DOCSIS | 8 | 0 | 6 |
| DPOE | 16 | 0 | 0 |
| Other | 5 | 1 | 1 |

- Accurate [search](#) with 97 documents identified

CableLabs DOCSIS

| Doc Type / Title | Date Published | Version | ID | Normative | Informative | Textual |
|--|---------------------------|---------------------|-----------------------------------|-------------------|-------------------|--------------------|
| DOCSIS / Business Services Business Services over DOCSIS Layer 2 Virtual Private Networks | 05/28/15 | I15 | CM-SP-L2VPN | Y | N | NA |
| DOCSIS / DOCSIS 1.0 Cable Modem to Customer Premise Equipment Interface Specification | 4/11/2008 | C01 | CM-SP-CMCI | Y | N | NA |
| DOCSIS / DOCSIS 1.0 DOCSIS Cable Modem Termination System - Network Side Interface Specification | 7/12/2017 | C01 | SP-CMTS-NSI | Y | N | NA |
| DOCSIS / DOCSIS 1.1 Operations Support System Interface Specification | 7/9/2005 | C01 | CM-SP-OSSiv1.1 | N | N | Y |
| DOCSIS / DOCSIS 1.1 Radio Frequency Interface Specification | 7/9/2005 | C01 | CM-SP-RFiv1.1 | N | N | Y |
| DOCSIS / DOCSIS 2.0 Operations Support System Interface Specification | 4/11/2008 | C01 | CM-SP-OSSiv2.0 | N | N | Y |
| DOCSIS / DOCSIS 2.0 Radio Frequency Interface Specification | 04/22/09 | C02 | CM-SP-RFiv2.0 | Y | N | NA |
| DOCSIS / DOCSIS 3.0 DOCSIS 3.0 MAC and Upper Layer Protocols Interface Specification | 7/12/2017 | C01 | CM-SP-MULPIv3.0 | Y | N | NA |
| DOCSIS / DOCSIS 3.0 DOCSIS 3.0 Operations Support System Interface Specification | 7/12/2017 | C01 | CM-SP-OSSiv3.0 | N | N | Y |
| DOCSIS / DOCSIS 3.0 DOCSIS Cable Modem to CPE Interface Specification | 10/5/2017 | I03 | CM-SP-CMCiv3.0 | Y | N | NA |
| DOCSIS / DOCSIS 3.1 Cable Modem Operations Support System Interface Specification | 10/22/20 | I18 | CM-SP-CM-OSSiv3.1 | N | N | Y |
| DOCSIS / DOCSIS 3.1 DOCSIS 3.1 MAC and Upper Layer Protocols Interface Specification | 10/20/20 | I21 | CM-SP-MULPIv3.1 | Y | N | NA |
| DOCSIS / DOCSIS 4.0 Cable Modem Operations Support System Interface Specification | 11/3/2020 | I02 | CM-SP-CM-OSSiv4.0 | N | N | Y |
| DOCSIS / DOCSIS 4.0 DOCSIS 4.0 MAC and Upper Layer Protocols Interface Specification | 04/29/20 | I02 | CM-SP-MULPIv4.0 | Y | N | NA |

CableLabs DPoE

| Doc Type / Title | Date Published | Version | ID | Normative | Informative | Textual |
|---|--------------------------|---------------------|------------------------------------|-----------|-------------|---------|
| DPOE / DPoE 1.0DPoE Demarcation Device Specification | 08/30/16 | C01 | DPoE-SP-DEMARCv1.0 | Y | N | NA |
| DPOE / DPoE 1.0DPoE IP Network Element Requirements | 08/30/16 | C01 | DPoE-SP-IPNEv1.0 | Y | N | NA |
| DPOE / DPoE 1.0DPoE MAC and Upper Layer Protocols Requirements | 08/30/16 | C01 | DPoE-SP-MULPIv1.0 | Y | N | NA |
| DPOE / DPoE 1.0DPoE Metro Ethernet Forum Specification | 08/30/16 | C01 | DPoE-SP-MEFv1.0 | Y | N | NA |
| DPOE / DPoE 1.0DPoE OAM Extensions Specification | 08/30/16 | C01 | DPoE-SP-OAMv1.0 | Y | N | NA |
| DPOE / DPoE 1.0DPoE Operations and Support System Interface Specification | 08/30/16 | C01 | DPoE-SP-OSSlv1.0 | Y | N | NA |
| DPOE / DPoE 1.0DPoE Physical Layer Specification | 08/30/16 | C01 | DPoE-SP-PHYv1.0 | Y | N | NA |
| DPOE / DPoE 1.0DPoE Security and Certificate Specification | 08/30/16 | C01 | DPoE-SP-SECv1.0 | Y | N | NA |
| DPOE / DPoE 2.0DPoE Architecture Specification | 02/13/19 | I07 | DPoE-SP-ARCHv2.0 | Y | N | NA |
| DPOE / DPoE 2.0DPoE IP Network Elements Requirements | 02/28/18 | I07 | DPoE-SP-IPNEv2.0 | Y | N | NA |
| DPOE / DPoE 2.0DPoE MAC and Upper Layer Protocols Interface Specification | 02/28/18 | I13 | DPoE-SP-MULPIv2.0 | Y | N | NA |
| DPOE / DPoE 2.0DPoE Metro Ethernet Forum Specification | 02/28/18 | I06 | DPoE-SP-MEFv2.0 | Y | N | NA |
| DPOE / DPoE 2.0DPoE OAM Extensions Specification | 02/13/19 | I14 | DPoE-SP-OAMv2.0 | Y | N | NA |
| DPOE / DPoE 2.0DPoE Operations and Support System Interface Specification | 02/28/18 | I12 | DPoE-SP-OSSlv2.0 | Y | N | NA |
| DPOE / DPoE 2.0DPoE Physical Layer Specification | 02/28/18 | I06 | DPoE-SP-PHYv2.0 | Y | N | NA |
| DPOE / DPoE 2.0DPoE Security Specification | 02/28/18 | I06 | DPoE-SP-SECv2.0 | Y | N | NA |

CableLabs / Other

| Doc Type / Title | Date Published | Version | ID | Normative | Informative | Textual |
|--|--------------------------|---------------------|-----------------------------------|-----------|-------------|---------|
| DPOG / DPoG 1.0DPoG Architecture Specification | 08/30/16 | C01 | DPoG-SP-ARCHv1.0 | Y | N | NA |
| DPOG / DPoG 1.0DPoG MAC and Upper Layer Protocols Interface Specification | 08/30/16 | C01 | DPoG-SP-MULPIv1.0 | Y | N | NA |
| DPOG / DPoG 1.0DPoG OAM Extensions Specification | 08/30/16 | C01 | DPoG-SP-OAMv1.0 | N | Y | NA |
| VIDEO / HardwareOpenCable Host Home Networking Extension 2.0 | 05/30/13 | I08 | OC-SP-HOST-HN2.0 | Y | N | NA |
| VIDEO / Middleware (OCAP)OpenCable Reserved Services Domain Protocols Specification | 8/8/2008 | I01 | OC-SP-RSD-PROT | Y | N | NA |
| VIRTUALIZATION AND NETWORK EVOLUTION / Open NetworkingVirtual Provisioning Interfaces Technical Report | 04/24/17 | I01 | VNE-TR-VPI | N | N | Y |
| WIRELESS / WiFiWiFi Requirements for Cable Modem Gateways | 05/15/15 | I05 | WR-SP-WiFi-GW | Y | N | NA |

MEF technical standards

| Standard | Normative | Informative | Textual |
|-----------------|-----------|-------------|---------|
| MEF 6.3 – 2019 | | | X |
| MEF 12.2 – 2014 | X | | |
| MEF 17 – 2007 | X | | |
| MEF 22.3 – 2018 | X | | |
| MEF 40 – 2013 | X | | |
| MEF 42 – 2013 | X | | |
| MEF 45.1 – 2018 | X | | |
| MEF 46 - 2014 | X | | |

[Search URL](#)

ITU-T

| Study Group | Normative | Informative | Textual |
|-------------|-----------|-------------|-----------|
| 2 | 2 | 0 | 7 |
| 9 | 3 | 6 | 3 |
| 11 | 0 | 1 | 0 |
| 12 | 0 | 3 | 1 |
| 13 | 1 | 4 | 1 |
| 15 | 19 | 5 | 7 |
| 16 | 2 | 2 | 0 |
| | 26 | 21 | 19 |

ITU-T Recommendation Search

<https://www.itu.int/net4/ITU-T/search#?collection=ITU-T%20Recommendations>

ITU-T SG2

Normative: 2 Informative: 0 Textual: 7

ITU-T Q.838.1 (10/2004): Requirements and analysis for the management interface of Ethernet Passive Optical Networks (EPON)

March, 2005

...ol parameters, physical layers, and management parameters for subscriber access networks. [23] IEEE 802.1D-2004, IEEE standard for local and metropolitan area networks: Media Access Control (MAC) bridges. [...

ITU-T Q.834.4 (07/2003): A CORBA interface specification for Broadband Passive Optical Networks based on UML interface requirements

June, 2004

...ed); The input mACBridgeProfile provides the characteristics for the bridge conforming to ANSI/IEEE 802.1D. The input uplinkPort identifies the OLT physical port interfacing with the IP layer backbone netwo...

ITU-T Q.834.4 (2003) Cor. 1 (01/2004)

June, 2004

...ed); The input mACBridgeProfile provides the characteristics for the bridge conforming to ANSI/IEEE 802.1D. The input uplinkPort identifies the OLT physical port interfacing with the IP layer backbone netwo...

ITU-T Q.834.1 (06/2004): ATM-PON requirements and managed entities for the network and network element views

March, 2005

...r Installation Interfaces – Asymmetric Digital Subscriber Line (ADSL) Metallic Interface. [23] IEEE 802.1D, Standard for Local and Metropolitan Area Networks: Media Access Control (MAC) Bridges. 3 Definitio...

ITU-T E.351 (03/2000): Routing of multimedia connections across TDM-, ATM- and IP-based networks

November, 2000

...Differentiated Services and IEEE 802.1D. ATM Forum, Atlanta, GA, February 1999. [B99] BERNET (Y.), et al.: A Framework for Differentiated Services, IETF draft-ietf-diffserv-framework-02.txt, February 1999. ...

ITU-T E.360.1 (05/2002): Framework for QoS routing and related traffic engineering methods for IP-, ATM-, and TDM-based multiservice networks

February, 2003

ISO

ISO search

<https://www.iso.org/obp/ui/#search>

JTC1/SC6 (IEEE 802 fast-track)

ISO/IEC/IEEE 8802-11:2018(en)
Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Specific requirements — Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications

9.4.2.31 TCLAS element

...802.1Q parameters 3 Filter Offset parameters 4 IP and higher layer parameters 5

IEEE 802.1D/Q parameters 6 IEEE 802.11 MAC header parameters 7–255 Reserved When the Classifier... 802.1D-2004...

10.2.4.2 HCF contention based channel access (EDCA)

...AC_BE. Table 10-1 UP-to-AC mappings Priority UP (Same as IEEE 802.1D user priority)

IEEE 802.1D designation AC Transmit queue (dot11AlternateEDCAActivated...

ISO/IEC/IEEE 8802-3:2017(en)

Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Specific requirements — Part 3: Standard for Ethernet

1.3 Normative references

...Local and metropolitan area networks—Station and Media Access Control Connectivity Discovery. IEEE Std 802.1D™, IEEE Standard for Local and metropolitan area networks—Media Access Control (MAC...

1.4.333 Point-to-point emulation

...star topology with the OLT in the nexus, and is required for compliance with

IEEE 802.1D bridging.

ISO/IEC/IEEE 8802-1AC:2018(en)

Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Part 1AC: Media access control (MAC) service definition

Introduction

| Study Group | Normative | Informative | Textual |
|-----------------------------|-----------|-------------|----------|
| JTC1/SC6 (802 fast-track) | 7 | 2 | 3 |
| JTC1/SC25 (UPnP fast-track) | 7 | 5 | 0 |
| TC 22/SC 31 | 1 | 0 | 0 |
| TC204 | 0 | 0 | 1 |
| JTC1 (ECMA fast-track) | 1 | 0 | 3 |
| | 16 | 7 | 7 |