



IEEE 802.3

State of the Standard

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IEEE 802.3 Working Group Standards Status November 16th, 2009

SA = Subscriber Access Networks
BPE = Backplane Ethernet

IEEE approved

IEEE
Std 802.3ax-2008/
802.1AX
(Link Aggregation)
Published 3-Nov-08

IEEE
Std 802.3av-2009
(10Gb/s EPON)
Published 30-Oct-09

IEEE
Std 802.3bc-2009
(LLDP)
Published 28-Sep-09

IEEE
Std 802.3at-2009
(DTE Power Enhancements)
Published 30-Oct-09

IEEE 802.3
Policy and
Procedures
Approved
Nov-97

| IEEE Std 802.3-2008 | | | | |
|--|---|--|---|--|
| 5 Books (Sections) Published 26-Dec-08 | | | | |
| Section 1 Clause 1 to 20 Annex A to H, 4A | Section 2 Clause 21 to 33 Annex 22A to 33E | Section 3 Clause 34 to 43 Annex 36A to 43C | Section 4 Clause 44 to 55 Annex 44A to 55B | Section 5 Clause 56 to 74 Annex 58A to 74A |
| CSMA/CD Overview MAC PLS/AUI 10BASE5 MAU 10BASE2 MAU 10BROAD36 MAU 10BASE-T MAU 10BASE-F MAUs 10Mb/s Repeater 10Mb/s Topology | 100Mb/s Overview MII 100BASE-T2 100BASE-T4 100BASE-TX 100BASE-FX 100Mb/s Repeater 100Mb/s Topology MAC Control Auto Negotiation Management DTE Power | 1000Mb/s Overview GMII 1000BASE-X AutoNeg 1000BASE-SX 1000BASE-LX 1000BASE-CX 1000BASE-T 1000Mb/s Repeater 1000Mb/s Topology | 10Gb/s Overview MDC/MDIO XGMII XAUI XSBI 10GBASE-SR 10GBASE-LR 10GBASE-ER 10GBASE-SW 10GBASE-LW 10GBASE-EW 10GBASE-LX4 10GBASE-CX4 10GBASE-T | SA Overview OAM MPMC 100BASE-LX10 100BASE-BX10 1000BASE-LX10 1000BASE-BX10 1000BASE-PX10 1000BASE-PX20 10PASS-TS 2BASE-TL SA Topology BPE Overview 10GBASE-LRM 1000BASE-KX 10GBASE-KX4 10GBASE-KR BPE AutpNeg 10GBASE-R FEC Maintenance 8 |
| Maintenance 6 - 8 | Maintenance 6 - 8 802.3-2005/Cor 1 | Maintenance 6 - 8 | Maintenance 7 - 8 802.3-2005/Cor 2 | |

802.3 WG in process

.3az
Energy-efficient
Ethernet
WG Preview
(M. Bennett)

.3ba
40Gb/s and
100Gb/s
Ethernet
WG Ballot
(J. D'Ambrosia)

.3bb
802.3-2008/
Cor 1
SA Ballot Done
(W. Diab)

.3.1 (.3be)
Ethernet
MIB
Task Force
(H. Frazier)

Ethernet
Support for
.1AS Time
Sync
Study Group
(S. Carlson)

802.3 WG new work items