



IEEE 802.3

State of the Standard

12th July 2010,
San Diego, CA

Wael William Diab
Vice-Chair, IEEE 802.3 Working Group
wdiab@broadcom.com

IEEE 802.3 Working Group Standards Status July 12th, 2010

SA = Subscriber Access Networks
BPE = Backplane Ethernet

IEEE approved

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

**IEEE 802.3
Policy and
Procedures
Approved
Nov-97**

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

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

**IEEE Std
802.3ba-2010
(40Gb/s and 100Gb/s Ethernet)
Published 22-Jun-10**

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

**IEEE Std
802.3-2008/Cor 1-2009
(Corrigendum Project 802.3bb)
Published 1-Feb-10**

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
SA Ballot
(M. Bennett)**

**.3.1 (.3be)
Ethernet
MIB
WG Ballot
(H. Frazier)**

**Ethernet
Support for
.1AS Time
Sync
WG Preview
(S. Carlson)**

**40G SMF
WG Preview
(M. Nowell)**

**802.3 WG
new
work items**