



IEEE 802.3
State of the Standard
18th July 2011,
San Francisco, CA

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

IEEE 802.3 Working Group Standards Status July 18th, 2011

SA = Subscriber Access Networks
BPE = Backplane Ethernet

IEEE approved		IEEE Std 802.3-2008 5 Books (Sections) Published 26-Dec-08				
IEEE Std 802.1AX-2008 (802.3ax) (Link Aggregation) Published 3-Nov-08	IEEE 802.3 OM Approved Nov-97	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
IEEE Std 802.3av-2009 (10Gb/s EPON) Published 30-Oct-09	IEEE Std 802.3ba-2010 (40Gb/s and 100Gb/s Ethernet) Published 22-Jun-10	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	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
IEEE Std 802.3bc-2009 (LLDP) Published 28-Sep-09	IEEE Std 802.3az-2010 (Energy Efficient Ethernet) Published 27-Oct-10	1BASE5 DTE & MAU Mgmt Repeater Mgmt	MAC Control Auto Negotiation Management			Maintenance 6 - 8
IEEE Std 802.3at-2009 (DTE Power Enhancements) Published 30-Oct-09	IEEE Std 802.3bg-2011 (40Gb/s SMF) Published 31-Mar-11	Maintenance 6 - 8	DTE Power	Maintenance 6 - 8	Maintenance 7 - 8 802.3-2005/Cor 2	Maintenance 8
IEEE Std 802.3af-2009 (Support for .1AS Time Sync) Published 15-Jul-11	IEEE Std 802.3.1-2011 (Ethernet MIB) Published 5-Jul-11					
IEEE Std 802.3-2008/Cor 1-2009 (Corrigendum Project 802.3bb) Published 1-Feb-10	IEEE Std 802.3bf-2011 (Per Priority Pause) Published TBD-11					
	IEEE Std 802.3bd-2011 (Per Priority Pause) Published TBD-11					

802.3
WG
in
process

802.3 WG
new
work items

.3 Revision
(.3bh)
WG Preview
(W Diab)

.3.1(REV)
Ethernet
MIB
PAR Approved
(H. Frazier)

100G Cu & BP
SG
(J. D'Ambrosia)