



# IEEE 802.3

## State of the Standard

### 12<sup>th</sup> March 2012, Big Island, HI

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# IEEE 802.3 Working Group Standards Status March 12th, 2012

SA = Subscriber Access Networks  
BPE = Backplane Ethernet

IEEE approved		IEEE Std 802.3-2008 5 Books (Sections) Published 26-Dec-08				
<b>IEEE</b> <b>Std 802.1AX-2008</b> <b>(802.3ax)</b> (Link Aggregation) Published 3-Nov-08	<b>IEEE 802.3 OM</b> Approved Nov-97	<b>Section 1</b> Clause 1 to 20 Annex A to H, 4A	<b>Section 2</b> Clause 21 to 33 Annex 22A to 33E	<b>Section 3</b> Clause 34 to 43 Annex 36A to 43C	<b>Section 4</b> Clause 44 to 55 Annex 44A to 55B	<b>Section 5</b> Clause 56 to 74 Annex 58A to 74A
<b>IEEE</b> <b>Std 802.3av-2009</b> <b>(10Gb/s EPON)</b> Published 30-Oct-09	<b>IEEE Std 802.3ba-2010</b> (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
<b>IEEE</b> <b>Std 802.3bc-2009</b> <b>(LLDP)</b> Published 28-Sep-09	<b>IEEE Std 802.3az-2010</b> (Energy Efficient Ethernet) Published 27-Oct-10	1BASE5 DTE & MAU Mgmt Repeater Mgmt	MAC Control Auto Negotiation Management			Maintenance 6 - 8
<b>IEEE</b> <b>Std 802.3at-2009</b> <b>(DTE Power Enhancements)</b> Published 30-Oct-09	<b>IEEE Std 802.3bg-2011</b> (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
<b>IEEE</b> <b>Std 802.3af-2009</b> (Support for .1AS Time Sync) Published 15-Jul-11	<b>IEEE Std 802.3.1-2011</b> (Ethernet MIB) Published 5-Jul-11					
<b>IEEE Std 802.3-2008/Cor 1-2009</b> (Corrigendum Project 802.3bb) Published 1-Feb-10	<b>IEEE Std 802.3bf-2011</b> (Per Priority Pause) Published 10-Aug-11					

802.3  
WG  
in  
process

.3 Revision  
(.3bh)  
  
SA Ballot  
(W Diab)

.3.1(REV)  
Ethernet  
MIB  
WG Ballot  
(H. Frazier)

.3bj  
100G Cu & BP  
TF  
(J. D'Ambrosia)

Extended  
EPON  
SG  
(M. Hajduczenia)

Next Gen  
100G Optics  
SG  
(D. Dove)

802.3 WG  
new  
work items