



# IEEE 802.3

## State of the Standard

### 18<sup>th</sup> March 2013, Orlando, FL

Wael William Diab  
Vice-Chair, IEEE 802.3 Working Group  
[wdiab@broadcom.com](mailto:wdiab@broadcom.com)

# IEEE 802.3 Working Group Standards Status March 18<sup>th</sup>, 2013

**IEEE Std 802.3-2012 approved August 30<sup>th</sup> 2012. Published December 28<sup>th</sup> 2012**

**IEEE approved  
IEEE**

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

**IEEE 802.3 OM  
Approved Nov-97**

SA = Subscriber Access Networks  
BPE = Backplane Ethernet

## IEEE Std 802.3-2012

**6 Books (Sections) Published 28-Dec-12**

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 77 Annex 57A to 76A	Section 6 Clause 78 to 90 Annex 83A to 86A
CSMA/CD Overview MAC PLS/AUI 10BASE5 MAU 10BASE2 MAU 10BROAD36 MAU 10BASE-T MAU 10BASE-F MAUs 10Mb/s Repeater 10Mb/s Topology  10BASE-Te  1BASE5 DTE & MAU Mgmt Repeater Mgmt  Maintenance 6 - 10	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  Maintenance 6-10 802.3-2005/Cor 1	1000Mb/s Overview GMII 1000BASE-X AutoNeg 1000BASE-SX 1000BASE-LX 1000BASE-CX 1000BASE-T 1000Mb/s Repeater 1000Mb/s Topology  Maintenance 6 - 10	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  Maintenance 7-10 802.3-2005/Cor 2	SA Overview OAM MPMC 100BASE-LX10 100BASE-BX10 1000BASE-LX10 1000BASE-BX10 1000BASE-PX10 1000BASE-PX20 10GBASE-PR 10/1GBASE-PRX 10PASS-TS 2BASE-TL SA Topology BPE Overview 10GBASE-LRM 1000BASE-KX 10GBASE-KX4 10GBASE-KR BPE AutoNeg 10GBASE-R FEC Maintenance 8-10	EEE LLDP TLVs 40/100G Overview 40GBASE-KR4 40GBASE-CR4 40GBASE-SR4 40GBASE-FR 40GBASE-LR4 100GBASE-CR10 100GBASE-SR10 100GBASE-LR4 100GBASE-ER4  Maintenance 10

**802.3  
WG  
in  
process**

**.3.1(REV)  
Ethernet  
MIB  
SA Recirc  
(H. Frazier)**

**.3bj  
100G Cu & BP  
WG Preview  
(J. D'Ambrosia)**

**.3bk  
Extended  
EPON  
WG Recirc  
(M. Hajduczenia)**

**.3bm  
40G & 100G  
Optics TF  
(D. Dove)**

**.3bn  
EPoC TF  
(M. Laubach)**

**.3bp  
RTPGE  
TF  
(S. Carlson)**

**NGBASE-T  
SG - PAR  
(B. Woodruff)**

**DMLT  
SG  
(L. Winkel)**

**802.3 WG  
new  
work items**