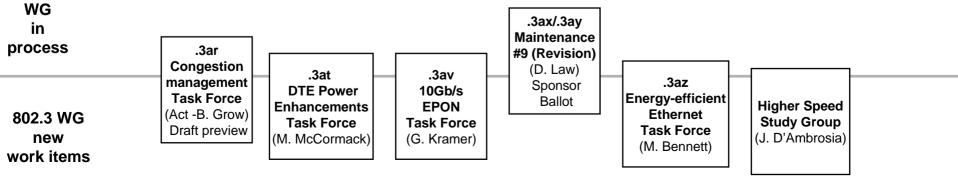# IEEE 802.3 Working Group Standards Status November 12th, 2007

ISO/IEC approved

ISO/IEC 8802-3:2000

IEEE approved

**IEEE
Std 1802.3-2001
10BASE-T
Conformance Test**
Published 19-Oct-01

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

**IEEE Std 802.3-2005/
Cor 1-2006
(DTE Power Isolation)**
Published 26-Jun-06

**IEEE
Std 802.3an-2006
10GBASE-T**
Published 1-Sep-06

**IEEE
Std 802.3aq-2006
10GBASE-LRM**
Published 16-Oct-06

**IEEE
Std 802.3as-2006
Frame Extension**
Published 13-Nov-06

**IEEE
Std 802.3ap-2007
Backplane Ethernet**
Published 22-Mar-07

**IEEE Std 802.3-2005/
Cor 2-2007
(10GBASE-T)**
Published 17-Aug-07

IEEE Std 802.3-2005
5 Books (Sections) Published 12-Dec-05

Section 1 Clause 1 to 20 Annex A to H	Section 2 Clause 21 to 33 Annex 22A to 32A	Section 3 Clause 34 to 43 Annex 36A to 43C	Section 4 Clause 44 to 54 Annex 44A to 50A	Section 5 Clause 56 to 67 Annex 58A to 67A
CSMA/CD Overview **MAC** **PLS/AUI** **10BASE5 MAU** **10BASE2 MAU** **10BROAD36 MAU** **10BASE-T MAU** **10BASE-F MAUs** **10Mb/s Repeater** **10Mb/s Topology** **1BASE5** **DTE & MAU Mgmt** **Repeater Mgmt**	**100Mb/s Overview** **MII** **100BASE-T2** **100BASE-T4** **100BASE-TX** **100BASE-FX** **100Mb/s Repeater** **100Mb/s Topology** **MAC Control** **Auto Negotiation** **Management**	**1000Mb/s Overview** **GMII** **1000BASE-X AutoNeg** **1000BASE-SX** **1000BASE-LX** **1000BASE-CX** **1000BASE-T** **1000Mb/s Repeater** **1000Mb/s Topology** **Link Aggregation**	**10Gb/s Overview** **MDC/MDIO** **XGMII** **XAUI** **XSBI** **10GBASE-SR** **10GBASE-LR** **10GBASE-ER** **10GBASE-SW** **10GBASE-LW** **10GBASE-EW** **10GBASE-LX4** **10GBASE-CX4** **Maintenance 7**	**Subscriber Access** **Overview** **OAM** **Multi-point MAC** **Control** **100BASE-LX10** **100BASE-BX10** **1000BASE-LX10** **1000BASE-BX10** **1000BASE-PX10** **1000BASE-PX20** **10PASS-TS** **2BASE-TL** **Subscriber Access** **Topology**
Maintenance 6 **Maintenance 7**	**DTE Power** **Maintenance 6** **Maintenance 7**	**Maintenance 6** **Maintenance 7**		

**802.3
WG
in
process**

**802.3 WG
new
work items**

**.3ar
Congestion
management
Task Force**
(Act -B. Grow)
Draft preview

**.3at
DTE Power
Enhancements
Task Force**
(M. McCormack)

**.3av
10Gb/s
EPON
Task Force**
(G. Kramer)

**.3ax/.3ay
Maintenance
#9 (Revision)**
(D. Law)
Sponsor
Ballot

**.3az
Energy-efficient
Ethernet
Task Force**
(M. Bennett)

**Higher Speed
Study Group**
(J. D'Ambrosia)

JTC1/SC6 update

Geoff Thompson
to
IEEE 802.3
November 11, 2007

RE: ISO/IEC 8802-1 Revision

- Going through PDTR Ballot
- Ballot has closed (July 27, 2007)
- Country votes
  - NO: China, France
  - Abstain: Spain
  - YES: All others
- Comment resolution mtg in UK
  Feb. 20-22, 2008

Comments

- China submitted 55 comments similar to previous submissions

- France comment: Scrap agreement and become Class A Liaison (i.e. recognized by ISO/IEC as international SDO like ETSI)

- US submitted APPROVE comments (just support & suggestions for editorial tweaks)

802 will be prepared to update Annex B List of Approved Standards (i.e. proposed for "Endorsement")

- (List appended to distribution of these slides)

All 802.3 ISO unfinished projects deleted

- 8802-3-A1 SPECIFIC LANS CSMA/CD
Edn 7 10 Gb/s operation

- 8802-3-A2 SPECIFIC LANS CSMA/CD
Edn 7 DTE power via MDI

- 8802-3-A3 SPECIFIC LANS CSMA/CD
Edn 7 Maintenance 7

- 8802-3-A4 SPECIFIC LANS CSMA/CD
Edn 7 Type 10GBASE-CX4

IEEE 802.2 Standards for LAN/MAN Logic Link Control

IEEE 802.2, 1998 (ISO/IEC 8802-2:1998) IEEE Standard for Local and metropolitan area networks - Specific requirements - Part 2 Logical Link Control

IEEE 802.3 Standards for LAN/MAN CSMA/CD Access Method

IEEE 802.3-2005 IEEE Standard for Local and metropolitan area networks - Specific requirements - Part 3 Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications.

IEEE 1802.3-2001 IEEE Conformance Test Methodology for IEEE Standards for Local and Metropolitan Area Networks - Specific Requirements - Part 3 Carrier Sense Multiple Access with Collision Detection (CSMA/CD) Access Method and Physical Layer Specifications (Incorporates IEEE Std 1802.3d)

IEEE 802.5 Standards for LAN/MAN Token-Ring Access Method

IEEE 802.5, 1998 Edition (ISO/IEC 8802-5:1998) IEEE Standard for Local and metropolitan area networks - Specific requirements - Part 5 Token Ring Access Method and Physical Layer Specification

IEEE 802.5c-1991, Supplement to 802.5-1989, Recommended Practice for Dual Ring Operation with Wrapback Reconfiguration

IEEE 802.5r and IEEE 802.5j, 1998 Edition (ISO/IEC 8802-5:1998/Amd.1) Local and metropolitan area networks - Specific Requirements - Part 5 Token ring access method and physical layer specifications - Amendment 1 Dedicated Token Ring Operation and Fibre Optic Media

IEEE 802.5t-2000, IEEE Standard for Local and metropolitan area networks -Specific requirements - Amendment to Part 5 Token Access Method and Physical Layer Specifications to support 100 Mbit/s Dedicated Token Ring (DTR) operation.

IEEE Std 802.5v-2001, IEEE Standard for Local and metropolitan area networks - Specific requirements - Part 5 Token Ring access method and Physical Layer specifications - Amendment 5 Gigabit Token Ring operation

IEEE Std 802.5w-2000 (Corrigendum to IEEE Std 802-5:1998 including (ISO/IEC 8802-5:1998/Amd.1:1998) Local and metropolitan area networks - Part 5 Token ring access method and physical layer specifications - Corrigendum 1

IEEE 802.11 Standards for LAN/MAN Wireless LANS

IEEE 802.11, 1999 Edition (ISO/IEC 8802-11 1999) IEEE Standards for Information Technology - Telecommunications and Information Exchange between Systems - Local and Metropolitan Area Network - Specific Requirements - Part 11 Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications

IEEE 802.11a-1999 (8802-11:1999/Amd 1:2000(E)) IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific
requirements - Part 11 Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications - Amendment 1 High-speed Physical Layer in the 5 GHz band

IEEE 802.11b-1999 Supplement to 802.11-1999, Wireless LAN MAC and PHY specifications Higher speed Physical Layer (PHY) extension in the 2.4 GHz band

802.11b-1999/Cor1-2001, IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11 Wireless
LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications -Amendment 2 Higher-speed Physical Layer (PHY) extension in the 2.4 GHz band - Corrigendum 1

IEEE 802.11d-2001, Amendment to IEEE 802.11-1999, (ISO/IEC 8802-11) Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific
requirements - Part 11 Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) Specifications Specification for Operation in Additional Regulatory Domains

IEEE 802.11e-2005, IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements Part 11 Wireless LAN
Medium Access Control (MAC) and Physical Layer (PHY) specifications - Amendment 8 Medium Access Control (MAC) Quality of Service Enhancements

IEEE 802.11F-2003 IEEE Recommended Practice for Multi-Vendor Access Point Interoperability via an Inter-Access Point Protocol Across Distribution Systems Supporting IEEE 802.11 Operation

IEEE 802.11g-2003 IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 11 Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications -Amendment 4 Further Higher-Speed Physical Layer Extension in the 2.4 GHz Band

IEEE 802.11h-2003 IEEE Standard for Information technology - Telecommunications and Information Exchange Between Systems - LAN/MAN Specific Requirements - Part 11 Wireless LAN Medium Access Control (MAC)
and Physical Layer (PHY) Specifications Spectrum and Transmit Power Management Extensions in the 5GHz band in Europe

IEEE 802.11i-2004 Amendment to IEEE Std 802.11, 1999 Edition (Reaffirmed 2003). IEEE Standard for Information technology - Telecommunications and information exchange between system - Local and metropolitan area networks - Specific requirements - Part 11 Wireless LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications - Amendment 6 Medium Access Control (MAC) Security Enhancements

IEEE 802.11j-2004 IEEE Standard for Information technology - Telecommunications and information exchange between systems--Local and metropolitan area networks - Specific requirements - Part 11 Wireless
LAN Medium Access Control (MAC) and Physical Layer (PHY) specifications -Amendment 7 4.9 GHz - 5 GHz Operation in Japan

IEEE 802.15 Standards for Wireless Personal Area Networks

IEEE 802.15.1-2005 IEEE Standard for Information technology - Telecommunications and information exchange between systems -Local and metropolitan area networks - Specific requirements - Part 15.1 Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Wireless Personal Area Networks

IEEE 802.15.2-2003 IEEE Recommended Practice for Telecommunications and Information exchange between systems - Local and metropolitan area networks Specific Requirements - Part 15.2 Coexistence of Wireless
Personal Area Networks with Other Wireless Devices Operating in Unlicensed Frequency Band

IEEE 802.15.3-2003 IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements Part 15.3 Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for High Rate Wireless Personal Area Networks (WPAN)

IEEE 802.15.3b-2005 IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 15.3b Wireless Medium Access Control(MAC) and Physical Layer (PHY)Specifications for High Rate Wireless Personal Area Networks (WPANs) Amendment 1 MAC Sublayer

IEEE 802.15.4-2003 IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements Part 15.4 Wireless Medium Access Control (MAC) and Physical Layer (PHY) Specifications for Low Rate Wireless Personal Area Networks (LR-WPANs)

IEEE 802.16 Standards for LAN/MAN Broadband Wireless LANS

IEEE 802.16 Conformance 01-2003 IEEE Standard for Conformance to IEEE

802.16 Part 1 Protocol Implementation Conformance Statement (PICS) Proforma for 10-66 GHz WirelessMAN-SC Air Interface

IEEE 802.16 Conformance 02-2003 IEEE Standard Conformance to IEEE Std

802.16 Part 2 Test Suite Structure and Test Purposes for 10-66 GHz WirelessMAN-SC Air Interface

IEEE 802.16 Conformance 03-2004 IEEE Standard Conformance to IEEE Std

802.16 Part 3 Radio Conformance Tests (RCT) for 10 - 66 GHz Wireless MAN-SC - Air Interface

IEEE 802.16-2004 IEEE Standard for Local and metropolitan area networks Part 16 Air Interface for Fixed Broadband Wireless Access Systems

IEEE 802.16.2-2004 IEEE Recommended Practice for Local and metropolitan area networks - Coexistence of Fixed Broadband Wireless Access Systems

IEEE 802.16f-2005 IEEE Standard for Local and Metropolitan Area Networks - Part 16 Air Interface for Fixed Broadband Wireless Access Systems - Amendment 1 - Management Information Base

IEEE 802.16e-2005 IEEE Standard for Local and metropolitan area networks Part 16 Air Interface for Fixed and Mobile Broadband Wireless Access Systems - Amendment for Physical and Medium Access Control Layers for Combined Fixed and Mobile Operation in Licensed Bands.

IEEE 802.17 Standards for LAN/MAN Resilient Packet Rings

IEEE 802.17-2004 IEEE Standard for Information technology - Telecommunications and information exchange between systems - Local and metropolitan area networks - Specific requirements - Part 17 Resilient packet ring (RPR)access method and physical layer specifications

IEEE 802.17a-2004 IEEE Standard for Local and Metropolitan Area Networks Media Access Control (MAC) Bridges - Amendment 1 Bridging of IEEE Std 802.17