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| 8802-3/802.3 REVISION REQUEST 1109 |
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DATE: 17th Aug, 2003
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REQUESTED REVISION:
STANDARD: IEEE Std. 802.3-2002
CLAUSE NUMBER: Various, see details
CLAUSE TITLE:

PROPOSED REVISION TEXT:

Move obsolete material into a separate volume to be pursued for a change in status from "full standard" to a new proposed status in the class of "Senior Standard".

The proposal is to move this material to a new separate standard which I will label "IEEE Std. 802.3SS" (Senior Status) for the moment. Where clause are removed from the main standard there would be pointers/ references put in to indicate that the missing clause is now in 802.3SS.

Some other material would be more appropriately moved to other newly created standards within the 802.3 family.

The specific material that I feel should be moved is indicated on a separate attached sheet.

The effort to do this work would be suitable for inclusion in the next Revision, currently scheduled for 2004.

PROPOSED SCOPE

Maintenance changes and current 802.3 Standard

PROPOSED PURPOSE

Define parameters for Carrier Sense Multiple Access with Collision Detection (CSMA/CD) access method and physical layer specifications. Add accumulated maintenance changes and provide general review of current 802.3 Standard including amendments and corrigenda. Divide standard into multiple pieces, one of which will go to "Senior Status".

RATIONALE FOR REVISION:

The 802.3 standard has grown to 1540 pages in 3 volumes in the 2002 Revision. There are at least 400 pages of additional material that has been approved for inclusion and more is on the way. There is a significant amount of material in the existing standard which either never gained significant market acceptance or is no longer relevant to current technology. The presence of this material makes the present standard clumsy, confusing and difficult to use. Moving the less

frequently referenced material to a different related standard would
make the "active" standard more concise, market relevant and easier to
read and use.

IMPACT ON EXISTING NETWORKS

NONE, This is all organizational.

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| Please attach supporting material, if any
| Submit to:- Bob Grow, Chair IEEE 802.3
|           E-Mail: Bob.Grow@intel.com
|
|           +----- For official 802.3 use -----+
|           | REV REQ NUMBER: 1109
|           | DATE RECEIVED: 17th Aug, 2003
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|           | COMMENTS: 13-Nov-03 Ver: D2.0 Status: J
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| For information about this Revision Request see -
| http://www.ieee802.org/3/maint/requests/revision\_history.html#REQ1109
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Clause		Vol 1/3	Start Page	# of pgs	
Title pages				2	
Boilerplate			ii	2	
Introduction		Vol 1/3	iv	2	1
Participants		Vol 1/3	vi	6	2
Officers			xii	2	
ISO status			xiv	1	3
CONTENTS			xv	10	
Spec. Sym		Vol 1/3	xxv	2	4
1	Introduction	Vol 1/3	1	33	Stays in legacy standard
2	Media Access Control (MAC) service specification	Vol 1/3	34	5	Stays in legacy standard
3	Media access control frame structure	Vol 1/3	39	6	Stays in legacy standard
4	Media Access Control	Vol 1/3	45	38	Stays in legacy standard
5	Layer Management	Vol 1/3	83	12	Moves to Sr Status standard
5.2.4	DTE Management procedural model	Vol 1/3	95	5	Stays in legacy standard
6	Physical Signaling (PLS) service specifications	Vol 1/3	100	4	Stays in legacy standard
7	Physical Signaling (PLS) and Attachment Unit Interface (AUI) specifications	Vol 1/3	104	32	AUI cable to Sr Status
8	Medium Attachment Unit and baseband medium specifications, type 10BASE5	Vol 1/3	136	42	Moves to Sr Status standard
9	Repeater unit for 10 Mb/s baseband networks	Vol 1/3	178	14	Stays in legacy standard
9.9	Medium attachment unit and baseband medium specification for a vendor independent FOIRL	Vol 1/3	192	16	Moves to Sr Status standard
10	Medium Attachment Unit and baseband medium specifications, type 10BASE5	Vol 1/3	208	19	Moves to Sr Status standard
11	Broadband medium attachment unit and broadband medium specifications, type 10BROAD36	Vol 1/3	227	28	Moves to Sr Status standard
12	Physical signaling, medium attachment, and baseband medium specifications, type 1BASE5	Vol 1/3	255	36	Moves to Sr Status standard
13	System considerations for multisegment 10 Mb/s baseband networks	Vol 1/3	291	9	Stays in legacy standard
14	Twisted-pair medium attachment unit (MAU) and baseband medium, type 10BASE-T	Vol 1/3	300	49	Stays in legacy standard
15	Fiber optic medium and common elements of medium attachment units and star, type 10BASE-F	Vol 1/3	349	24	Stays in legacy standard
16	Fiber optic passive star and medium attachment unit, type 10BASE-FP	Vol 1/3	373	36	Moves to Sr Status standard
17	Fiber optic medium attachment unit, type 10BASE-FB	Vol 1/3	409	25	Moves to Sr Status standard
18	Fiber optic medium attachment unit, type 10BASE-FL	Vol 1/3	434	29	Stays in legacy standard
19	Layer Management for 10 Mb/s baseband repeaters	Vol 1/3	463	17	Moves to Sr Status standard
20	Layer Management for 10 Mb/s baseband medium attachment units	Vol 1/3	480	6	Moves to Sr Status standard
Annex		Vol 1/3	Start Page	# of pgs	
A	Global Reference Material	Vol 1/3	486	3	Stays in legacy standard
B	1, 10 Meg only, Sys Guidelines	Vol 1/3	489	23	Stays in legacy standard
C	Deleted Material, MAC Sublayer St. Diag cl 4	Vol 1/3	512	1	Moves to Sr Status standard
D	Application Context, 10 Mb/s only	Vol 1/3	513	7	Moves to Sr Status standard
E	FOIRL	Vol 1/3	520	1	Moves to Sr Status standard
F	Mgmt, 19, 30	Vol 1/3	521	2	Stays in legacy standard
G	Mgmt, 19, 30?	Vol 1/3	523	1	Stays in legacy standard
H	Old GDMO, 19,20	Vol 1/3	524	#REF!	Moves to Sr Status standard
21	Introduction to 100 Mb/s baseband networks, type 100BASE-T	Vol 2/3	1	#REF!	Stays in legacy standard
22	Reconciliation Sublayer (RS) and Media Independent Interface (MII)	Vol 2/3	9	47	Stays in legacy standard
23	PCS, Physical Medium Attachment (PMA) sublayer and baseband medium, type 100BASE-T4	Vol 2/3	56	76	Moves to Sr Status standard
24	PCS and Physical Medium Attachment (PMA) sublayer, type 100BASE-X	Vol 2/3	132	36	Stays in legacy standard
25	Physical Medium Dependent (PMD) sublayer and baseband medium, type 100BASE-TX	Vol 2/3	168	8	Stays in legacy standard
26	Physical Medium Dependent (PMD) sublayer and baseband medium, type 100BASE-FX	Vol 2/3	176	4	Stays in legacy standard
27	Repeater for 100 Mb/s baseband networks	Vol 2/3	180	33	Stays in legacy standard
28	Physical Layer link signaling for 10 Mb/s, 100 Mb/s, and 1000 Mb/s Auto-Negotiation on twisted pair	Vol 2/3	213	48	Stays in legacy standard
29	System considerations for multisegment 100BASE-T networks	Vol 2/3	261	8	Stays in legacy standard
30	10 Mb/s, 100 Mb/s, 1000 Mb/s, MAC Control, and Link Aggregation Management	Vol 2/3	269	76	Stays in legacy standard
31	MAC Control	Vol 2/3	345	8	Stays in legacy standard
32	PCS, Physical Medium Attachment (PMA) sublayer and baseband medium, type 100BASE-T2	Vol 2/3	353	92	Moves to Sr Status standard
33	Data Terminal Equipment (DTE) Power via Media Dependent Interface (MDI)	802.3ef	445	59	Stays in legacy standard
22A	(Inf) MII output delay, setup, and hold time budget	Vol 2/3	1383	3	Stays in legacy standard
22B	(Inf) MII driver ac characteristics	Vol 2/3	1386	2	Stays in legacy standard
22C	(Inf) Measurement techniques for MII signal timing characteristics	Vol 2/3	1388	2	Stays in legacy standard
23A	(Norm) 6T code words	Vol 2/3	1390	2	Moves to Sr Status standard
23B	(Inf) Noise budget	Vol 2/3	1392	1	Moves to Sr Status standard
23C	(Inf) Use of cabling systems with a nominal differential characteristic impedance of 120Ω (100BASE-T4)	Vol 2/3	1393	1	Moves to Sr Status vol.
27A	(Norm) Repeater delay consistency requirements	Vol 2/3	1394	1	Stays in legacy standard
28A	(Norm) Selector Field definitions	Vol 2/3	1395	1	Stays in legacy standard
28B	(Norm) IEEE 802.3® Selector Base Page definition	Vol 2/3	1396	3	Stays in legacy standard
28C	(Norm) Next Page Message Code Field definitions	Vol 2/3	1399	3	Stays in legacy standard
28D	(Norm) Description of extensions to Clause 28 and associated annexes	Vol 2/3	1402	2	Stays in legacy standard
29A	(Inf) DTE and repeater delay components	Vol 2/3	1404	1	Stays in legacy standard
29B	(Inf) Recommended topology documentation	Vol 2/3	1405	1	Stays in legacy standard
30A	(Norm) GDMO specification for 802.3® managed object classes	Vol 2/3	1406	63	Stays in legacy standard
30B	(Norm) GDMO and ASN.1 definitions for management	Vol 2/3	1469	7	Stays in legacy standard
30C	(Norm) SNMP MIB definitions for Link Aggregation	Vol 2/3	1476	33	Stays in legacy standard
31A	(Norm) MAC Control opcode assignments	Vol 2/3	1509	1	Stays in legacy standard
31B	(Norm) MAC Control PAUSE operation	Vol 2/3	1510	10	Stays in legacy standard
32A	(Inf) Use of cabling systems with nominal differential characteristic impedance of 120Ω or 150Ω (T2)	Vol 2/3	1520	1	Moves to Sr Status vol.
33A	(Inf) PSE Detection of PDs	802.3ef	86	3	Stays in legacy standard
33B	(Inf) Cabling guidelines	802.3ef	89	1	Stays in legacy standard
33C	(Inf) Recommended test configurations and procedures	802.3ef	90	27	Stays in legacy standard
33D	(Inf) PSE-PD stability	802.3ef	117	3	Stays in legacy standard
33E	(Inf) Cabling resistance unbalance	802.3ef	120	2	Stays in legacy standard
34	Introduction to 1000 Mb/s baseband network	Vol 3/3			Stays in legacy standard
35	Reconciliation Sublayer (RS) and Gigabit Media Independent Interface (GMII)	Vol 3/3			Stays in legacy standard
36	Physical Coding Sublayer (PCS) and Physical Medium Attachment (PMA) sublayer, type 1000BASE-X	Vol 3/3			Stays in legacy standard
37	Auto-Negotiation function, type 1000BASE-X	Vol 3/3			Stays in legacy standard
38	PMD sublayer and baseband medium, type 1000BASE-LX and 1000BASE-SX	Vol 3/3			Stays in legacy standard

39	PMD sublayer and baseband medium, type 1000BASE-CX (short-haul copper)	Vol 3/3		Moves to Sr Status vol.	1
40	PCS, Physical Medium Attachment (PMA) sublayer and baseband medium, type 1000BASE-T	Vol 3/3		Stays in legacy standard	2
41	Repeater for 1000 Mb/s baseband networks	Vol 3/3		Moves to Sr Status vol.	3
42	System considerations for multisegment 1000 Mb/s networks	Vol 3/3		Moves to Sr Status vol.	3
43	Link Aggregation	Vol 3/3		Stays in legacy standard	4
36A	(Inf) Jitter test patterns (1000BASE-X)	Vol 3/3	1521	3 Stays in legacy standard	5
36B	(Inf) 8B/10B transmission code running disparity calculation examples	Vol 3/3	1524	2 Stays in legacy standard	5
38A	(Inf) Fiber launch conditions	Vol 3/3	1526	1	6
40A	(Inf) Additional cabling design guidelines	Vol 3/3	1527	2	7
40B	(Inf) Description of cable clamp	Vol 3/3	1529	4	7
40C	(Inf) Add-on interface for additional Next Pages	Vol 3/3	1533	6	8
43A	(Inf) Collection and Distribution functions	Vol 3/3	1539	4	9
43B	(Norm) Requirements for support of Slow Protocols	Vol 3/3	1543	5	9
43C	(Inf) LACP standby link selection and dynamic Key management	Vol 3/3	1548	6	10
44	Introduction to 10 Gb/s baseband network	802.3ee	1554		11
45	Management Data Input/Output (MDIO) Interface	802.3ee			12
46	Reconciliation Sublayer (RS) and 10 Gigabit Media Independent Interface (XGMII)	802.3ee			12
47	XGMII Extender Sublayer (XGXS) and 10 Gigabit Attachment Unit Interface (XAUI)	802.3ee			13
48	Physical Coding Sublayer (PCS) and Physical Medium Attachment (PMA) sublayer, type 10GBASE-X	802.3ee			13
49	Physical Coding Sublayer (PCS) for 64B/66B, type 10GBASE-R	802.3ee		??	14
50	WAN Interface Sublayer (WIS), type 10GBASE-W	802.3ee		Moves to Carrier Grade	15
51	Physical Medium Attachment (PMA) sublayer, type Serial	802.3ee			16
52	PMD sublayer and baseband medium, type 10GBASE-S, 10GBASE-L, & 10GBASE-E (all serial)	802.3ee			16
53	Physical Medium Dependent (PMD) sublayer and baseband medium, type 10GBASE-LX4	802.3ee			17
44A	(Inf) Diagram of Data Flow	802.3ee			17
45A	(Inf) Clause 45 MDIO electrical interface	802.3ee			18
48A	(Inf) Jitter test patterns	802.3ee			19
48B	(Inf) Jitter test methods	802.3ee			19
50A	(Inf) Thresholds for Severely Errored Second calculations	802.3ee		Moves to Carrier Grade	20
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