

IEEE P802.3 Maintenance

November 14th, 2002

Kauai, HI

David Law

Activities this week

- Met Tuesday afternoon
 - Reviewed open Maintenance Requests
 - Review IEEE P802.3aj/D1.0
 - Chartered editor to produced D2.0

IEEE P802.3aj/D2.0

- Changes
 - Spurious copy of state machine in 1078 removed
 - ‘meters’ changes to ‘m’ in 1080
 - Various minor editorials
- Additions
 - 1083 - 1000BASE-T state machine variable clarification
 - 1098 - Note that maintenance no longer performed on deprecated MAUs/PHYs
 - 1099 - Incorrect register bits reference
 - 1103 - Register bit width error in table
 - 1104 - Correction to Auto MDI/MDIX

IEEE P802.3aj

Plans for Completion

- Request Working Group Ballot
- Meet at January Interim meeting in Vancouver
 - Review and resolve Working Ballot comments.
- Recirculation Ballot (if required).

IEEE 802.3 Motion

IEEE 802.3 authorises IEEE P802.3aj/D2.0 to be forwarded to Working Group Ballot.

IEEE 802.3 authorises the IEEE P802.3aj Task Force to conduct meetings and recirculation ballots as necessary to resolve comments received during the Working Group ballot.

IEEE 802.3 requests that the P802 LMSC Executive Committee requests formation of a LMSC Sponsor Ballot pool for IEEE P802.3aj.

M: David Law

S: Tom Dineen

Tech 75%/Proc 50%

~~PASSED/FAILED~~

Date:

Y: 79

N: 1

A: 0

Time:

Maintenance Requests Status

- 106 Maintenance requests
- 7 new Maintenance requests since July
- Current status -

Awaiting ballot	24
Awaiting clarification	1
Errata	1
To be categorised	0
Review by Technical experts	0
Withdrawn	7
Published	70

Request 1100/1101

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| 8802-3/802.3 REVISION REQUEST |
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DATE: October 24, 2002
NAME: Doug Coleman
COMPANY/AFFILIATION: Corning Cable Systems
E-MAIL: doug.coleman@corning.com

REQUESTED REVISION: Insert text to allow use of TIA/EIA-568 B.3 as an alternative performance Standard for the media dependent interface connector requirements.

STANDARD: IEEE 802.3

CLAUSE NUMBER: 52.14.14

CLAUSE TITLE: Medium Dependent Interface (MDI) requirements

PROPOSED REVISION TEXT:

When the MDI is a remateable connection it shall meet the interface performance specifications of TIA-568-B.3: Optical fiber cabling component standard or the interface performance specifications of:

- a) IEC 61753-1-1, Fibre optic interconnecting devices and passive component performance standard - Part 1-1: General and guidance - Interconnecting devices (connectors);
- b) IEC 61753-021-2 - Fibre optic passive components performance standard - Part 021-2: Fibre optic connectors terminated on single mode fibre for Category C - Controlled environment;
- c) IEC 61753-022-2 - Fibre optic passive components performance standard - Part 022-2: Fibre optic connectors terminated on multimode fibre for Category C - Controlled environment.

Request 1100/1101 (con't)

52.14.4 Medium Dependent Interface (MDI) requirements

The 10GBASE-R and 10GBASE-W PMD is coupled to the fiber optic cabling at the MDI. The MDI is the interface between the PMD and the “fiber optic cabling” (as shown in Figure 52–14). Examples of an MDI include the following:

- a) Connectorized fiber pigtail;
- b) PMD receptacle.

When the MDI is a connector plug and receptacle connection, it shall meet the interface performance specifications of the following:

- a) IEC 61753-1-1—Fibre optic interconnecting devices and passive component performance standard—Part 1-1: General and guidance—Interconnecting devices (connectors);
- b) IEC 61753-021-2—Fibre optic passive components performance standard—Part 021-2: Fibre optic connectors terminated on single mode fibre for Category C—Controlled environment;
- c) IEC 61753-022-2—Fibre optic passive components performance standard—Part 022-2: Fibre optic connectors terminated on multimode fibre for Category C—Controlled environment.

NOTE—Compliance testing is performed at TP2 and TP3 as defined in 52.4.1, not at the MDI.

Request 1100/1101 (con't)

- IEEE P802.3ae Changes to 1.3

1.3 Normative references

Insert the following references in alphabetic order into the reference list in 1.3:

IEC 61753-022-2, Performance standard—Part 022-2: Fibre optic connectors terminated on multimode fibre for Category C—Controlled environment.²

¹EIA publications are available from Global Engineering Documents, 15 Inverness Way East, Englewood, Colorado 80112, USA (<http://global.ihs.com/>). JEDEC publications are available from JEDEC, 2001 I Street NW, Washington, DC 20006, USA.

²IEC 61753-022-2 is under development and not available at this time. Its anticipated publication date is April 2003. Until the IEC standard is available, users are encouraged to reference ANSI/TIA/EIA-568-B.3-2000 in its place.

³INCITS publications are available from <http://www.incits.org>.

- Requested text is already present in standards
 - A note but policy is to reference International standards
- Maintenance Task Force decided to reject the requests

Request 1102

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|               8802-3/802.3 REVISION REQUEST               |
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DATE: 25 Oct 2002
NAME: Thomas K Joergensen
COMPANY/AFFILIATION: Vitesse Semiconductor Corporation A/S
E-MAIL: tkj@vitesse.com

REQUESTED REVISION:
STANDARD: IEEE Std. 802.3ae-2002
CLAUSE NUMBER: 46.4
CLAUSE TITLE: XGMII electrical characteristics

PROPOSED REVISION TEXT:

It is stated in 46.4, page 293, line 18-19 (P802.3ae/D5.0), that the XGMII timing measurements should be measured at the XGMII driver output. Should the measured timing not be done with reference to the VOH(ac) and VOL(ac) signal levels?

RATIONALE FOR REVISION:

The JEDEC HSTL standard defines a VOH(ac) and VOL(ac). These are not used for timing reference in either the HSTL nor the XGMII standard (uses VIN(ac)).

IMPACT ON EXISTING NETWORKS:

- Originally just an e-mail question
 - Decided this should be re-submitted as an Interpretations

IEEE 802.3 Motion

IEEE P802.3 affirms the resolutions to
Maintenance requests 1100, 1101 and 1102 as
proposed by the Maintenance Task Force.

M:David Law

S:Brad Booth

Tech 75%/Proc ~~50%~~

PASSED/FAILED

Date:

Y: 78

N: 0

A: 1

Time:

Maintenance Web Information

- The Maintenance web site is at:

<http://www.ieee802.org/3/maint/index.html>

- The Maintenance request form is available at:

http://www.ieee802.org/3/private/maint/revision_request.html

Username: *****

Password: *****

Password is case sensitive