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Withdrawn	7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                      |
+=======================================================================+

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.
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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]

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[1]EIA 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.
[2]IEC 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.
[3]INCITS 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:
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- 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