IEEE 802.3 Maintenance

March 13th, 2003

DFW Airport, TX

David Law

Activities this week

- Met Wednesday afternoon
  - Reviewed open Maintenance Requests
    - 3 New requests
  - IEEE P802.3aj/D2.1 ballot
    - Comment resolution
    - Chartered editor to produced D3.0

New IEEE Std. 802.3ae Request

An issue with the frequency of the square-wave pattern used for measuring OMA in the IEEE802.3ae

Standard specifies the pattern for measuring OMA to be from four to eleven same consecutive bits, followed by the inversion of the same. This arbitrariness (4 to 11) results in variability of the OMA measurement result depending on the nr. of bits chosen, increasing the uncertainty of many measurements done on the standard. A remedy is proposed.

The text of the IEEE 802.3ae and of D5.0 (both 2002)

52.9.1.2 Square wave pattern definition
A pattern consisting of four to eleven consecutive ones followed by an equal run of zeros may be used as a square wave. These patterns have fundamental frequencies between approximately 452 MHz (10GBASEW) and 1289 MHz (10GBASE-R).

Corresponding text is in the section 49.2.8, describing the implementation of the PCS pattern generator:

49.2.8 Test pattern generators
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IEEE P802.3aj Maintenance #7 Working Group Ballot Status

- Ballot status (D2.1 Recirculation):
  - Response Ratio ($> 50\%$):   125/218 = 57.3%
  - Abstention Ratio ($< 30\%$):   See next page
  - Approval Ratio ($> 75\%$):   See next page

- Comments received: 11
  - 1 Technical Required
  - 0 Technical
  - 10 Editorial

Revision Request number	Voters	Ballots returned	Approve	Approve with comments	Disapprove	Abstain	Return rate	Approval rate	Abstain rate	Re-circulation
1004	218	125	99	1	0	25	57.3%	100.0%	20.0%	N
1035	218	125	100	0	0	25	57.3%	100.0%	20.0%	N
1037	218	125	100	0	0	25	57.3%	100.0%	20.0%	N
1064	218	125	98	2	0	25	57.3%	100.0%	20.0%	N
1068	218	125	99	1	0	25	57.3%	100.0%	20.0%	N
1078	218	125	97	2	0	26	57.3%	100.0%	20.8%	N
1079	218	125	97	3	0	25	57.3%	100.0%	20.0%	N
1080	218	125	93	5	0	27	57.3%	100.0%	21.6%	N
1083	218	125	100	0	0	25	57.3%	100.0%	20.0%	N
1085	218	125	98	2	0	25	57.3%	100.0%	20.0%	N
1086	218	125	100	0	0	25	57.3%	100.0%	20.0%	N
1087	218	125	100	0	0	25	57.3%	100.0%	20.0%	N
1088	218	125	100	0	0	25	57.3%	100.0%	20.0%	N
1089	218	125	100	0	0	25	57.3%	100.0%	20.0%	N
1090	218	125	96	3	0	26	57.3%	100.0%	20.8%	N
1091	218	125	98	2	0	25	57.3%	100.0%	20.0%	N
1092	218	125	100	0	0	25	57.3%	100.0%	20.0%	N
1095	218	125	98	2	0	25	57.3%	100.0%	20.0%	N
1096	218	125	100	0	0	25	57.3%	100.0%	20.0%	N
1097	218	125	95	3	0	27	57.3%	100.0%	21.6%	N
1098	218	125	99	1	0	25	57.3%	100.0%	20.0%	N
1099	218	125	99	1	0	25	57.3%	100.0%	20.0%	N
1103	218	125	99	0	0	25	57.3%	100.0%	20.0%	N
1104	218	125	99	0	0	25	57.3%	100.0%	20.0%	N

IEEE P802.3aj Comments

Bit(s)	Name	Description	R/W	Default
6.15:7 5	Reserved	Write as zero, ignore on read	RO	0
6.6	Receive Next Page Location Able	1 = Received Next Page storage location is specified by bit (6.5) 0 = Received Next Page storage location is not specified by bit (6.5)	RO	1
6.5	Received Next Page Storage Location	1 = Link Partner Next Pages are stored in Register 8 0 = Link Partner Next Pages are stored in Register 5	RO	0

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IEEE 802.3 Motion

IEEE 802.3 accepts the resolution to all comments received in the Working Group recirculation ballot of P802.3aj Draft 2.1, and authorises the editor to generate Draft 3.0.

IEEE 802.3 requests that the P802 LMSC Executive Committee forwards IEEE P802.3aj Draft D3.0 for LMSC Sponsor 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 LMSC Sponsor Ballot.

M: D. Law   S: H. Barrass   Tech 75%/~~Proc 50%~~

PASSED/~~FAILED~~   Date: 13-Mar-2003

Y: 62   N: 0   A: 2

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: **802.3**
      Password: ********
      Password **is** case sensitive