

IEEE 802.3 Maintenance

November 13th, 2006

Dallas, TX

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Agenda

- Maintenance Request Status
- IEEE Std 1802.3-2001 reaffirmation
- IEEE Std 802.3 revision
- Plan for the week
- IEEE 802.3 maintenance WWW site

Maintenance Request Status

- 34 Open Maintenance requests
- 14 new requests since July
 - 1 related to IEEE Std 802.3-2005 10GBASE-X
 - 13 related to IEEE Std 802.3an 10GBASE-T
- Current status of open requests -

Ready for ballot	15
Awaiting clarification	1
To be categorised	18

New requests

Request	Standard	Subclause	Subject
1178	IEEE Std 802.3-2005	48.2.4.2.3	Idle deletion rules
1179	IEEE Std 802.3-2005	28.5.4.5	Cross reference error
1180	IEEE Std 802.3an-2006	28.5.4.8	PICS status error
1181	IEEE Std 802.3an-2006	45.2.1.1	Register name error
1182	IEEE Std 802.3an-2006	45.2.1.4	Missing bit definition in register
1183	IEEE Std 802.3an-2006	45.2.1.60	Table and text do not match
1184	IEEE Std 802.3-2005	45.2.7.1	Cross reference error
1185	IEEE Std 802.3an-2006	45.2.7.10	Bit description typo
1186	IEEE Std 802.3an-2006	45.5.3.3	Missing PICS item
1187	IEEE Std 802.3an-2006	45.5.3.8	PICS clarification
1188	IEEE Std 802.3an-2006	45.5.3.8	PICS inconsistent with text
1189	IEEE Std 802.3an-2006	55.12.6	PICS status error
1190	IEEE Std 802.3an-2006	55.12.8	PICS cross reference error
1191	IEEE Std 802.3an-2006	28.3.4	Variable spelling error

IEEE 1802.3-2001 Reaffirmation

- Standards require reaffirmation or revision
 - Every 5 years
- Sponsor ballot group formation
 - Invitation Closed 29th July
- Sponsor balloting
 - Ballot opened 10th August
 - Ballot closed 9th September

IEEE 1802.3 Reaffirmation

Sponsor ballot results

Ballot opened 10th August 2006, closed 9th September 2006

Comments received: 8

	#	%		Status
		Actual	Require	
Abstain	4	7	< 30	PASS
Disapprove with comment	1	-	-	-
Disapprove without comment	0	-	-	-
Approve	53	98	≥ 75	PASS
Ballots returned	58	75	≥ 75	PASS
Voters	77	-	-	-

IEEE 1802.3-2001 Reaffirmation

- Comments
 - <http://www.ieee802.org/3/1802reaff/1802p3reaff.pdf>
- Instructions for reaffirmation:
 - "If you enter an affirmative vote, you will be implying that this standard continues to reflect the state-of-the-art and contains no obsolete or erroneous information.
- Disapprove comment – proposed remedy
 - Given the amount of out of date material and that we have not chosen to write conformance standards for the later PHYs, the standard should probably be withdrawn rather than revised.
- Need to decide if to move forward
 - Continue reaffirmation
 - Withdraw the standard
 - Start a revision project for it
 - Need a volunteers to run and participate
 - Combination of above

Revision requirements

- Revision required when
 - three years have elapsed since last revision
 - IEEE Std 802.3-2005 approved June 2005
 - and number of amendments is four or more
 - We will probably have 5 amendments by June 2008
- Can ask for 2 year extension from Standards Board
 - Based on ‘extenuating circumstances’
 - Requires
 - Project plan outlining the rationale
 - Schedule for the revision
- Not meeting these requirement will block new projects
 - RevCom defers consideration of additional amendments or corrigenda
- While revision is in sponsor ballot
 - No other sponsor ballot can start

IEEE 802.3 revision plan

- Year long process
 - Assuming not splitting the document
 - Longer for splitting or other wholesale changes
 - Proposal to move Link Aggregation to IEEE 802.1
 - It is an 802.3 sublayer but it has to go above IEEE Std 802.1x
- Need to identify best time to perform revision
 - Currently balloting projects complete by 2007
 - Next sponsor ballots
 - IEEE P802.3at DTE Power Enhancements
 - IEEE P802.3av 10GE PON
 - IEEE P802.3ar Rate Limiting
- Next maintenance project
 - Currently nothing pressing
 - Await next revision

IEEE Std 802.3 revision plan

IEEE Std. 802.3 Revision

IEEE Std
802.3-2005
Published 12/05
5 Sections

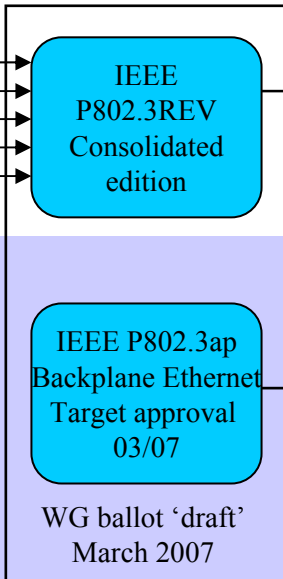
IEEE Std. 802.3 Amendments

IEEE Std
802.3-2005/
Cor 1-2006
Corrigenda 1
Published 06/06

IEEE Std
802.3an-2006
10GBASE-T
Target publication
08/06

IEEE Std
802.3aq-2006
10GBASE-LRM
Published
10/06

IEEE Std
802.3as-2006
Frame expansion
Published
11/06



IEEE
P802.3REV
Target approval
03/08

SB Ballot draft
Nov 2007

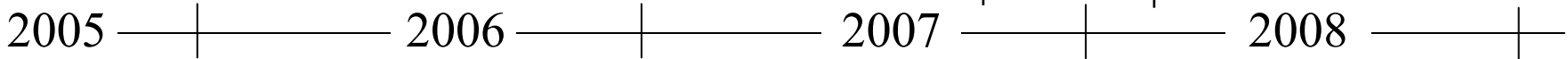
WG ballot 'draft'
March 2007

IEEE P802.3ar
Rate limiting
Target approval
??

IEEE P802.3av
sponsor ballot

No sponsor
balloting

Note: Target publication date is target standards board approval plus three months.



Plans for the week

- Maintenance committee meeting
 - Tuesday afternoon
- Review status of existing revision requests
- Categorise new request
- ISO/IEC
- IEEE 1802.3 reaffirmation
- IEEE 802.3 revision plan
 - Timing
 - Document structure

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