IEEE 802.3 Maintenance

July 16th, 2007
San Francisco, CA

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Agenda

- Maintenance Request Status
- IEEE 802.3aw 10GBASE-T Corrigendum
  - IEEE P802.3-2005/Cor 2
- IEEE 802.3ax Link Aggregation
  - IEEE P802.1AX
- IEEE 802.3ay Maintenance #9 (Revision)
  - IEEE P802.3REV
- IEEE Std 1802.3-2001 reaffirmation
- IEEE 802.3 maintenance web site

Maintenance Request Status

- 35 Open Maintenance requests
- No new requests since March
  - No doubt due to revision ballot being open
- Current status of open requests -

Balloting	20
Ready for ballot	10
Awaiting clarification	0
To be categorised	4

Notes:
All 'Balloting' requests included in IEEE 802.3ax draft
All 'Ready for Ballot' assigned to IEEE P802.3at

IEEE P802.3-2005/Cor 2 (IEEE 802.3aw) 10GBASE-T Corrigendum Task Force

$$Z_{bal}(f) \geq \begin{cases} 48 & 1 \leq f < 30 \\ 44 - 19.2\log_{10}\left(\frac{f}{50}\right) & 30 \leq f \leq 500 \end{cases}$$

Substantive content of draft shown in red above

IEEE P802.3-2005/Cor 2 (IEEE 802.3aw) Sponsor ballot results

- Sponsor ballot approved at March plenary
  - Ballot opened 23rd March 2007, closed 26th April 2007

Comments received: 0

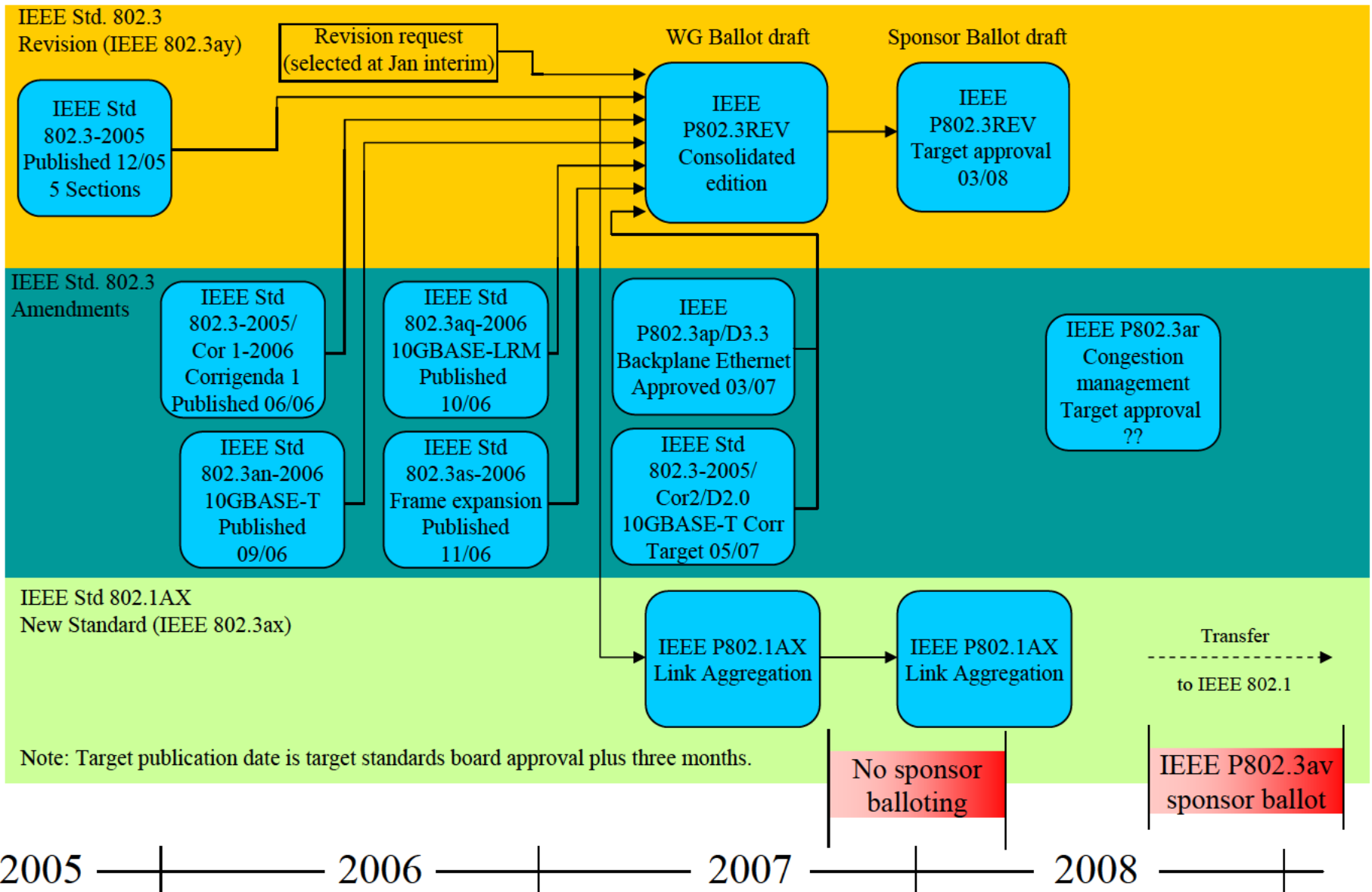|	#	%		Status
		Actual	Require	
Abstain	2	3	< 30	PASS
Disapprove with comment	0	-	-	-
Disapprove without comment	0	-	-	-
Approve	66	100	≥ 75	PASS
Ballots returned	68	84	≥ 75	PASS
Voters	81	-	-	-

IEEE P802.3-2005/Cor 2 (IEEE 802.3aw) 10GBASE-T Corrigendum Status

- ## Sponsor ballot results
  - 100% Approval with no comments
- ## Proceeded to RevCom submission
  - Based on approval to do so given at March plenary
- ## Place on June RevCom agenda
  - RevCom recommended approval 8th June
  - Standard Board approved as standard 9th June
- ## IEEE P802.3-2005/Cor 2/D2.0 is approved
- ## Publication expect imminently
  - Expect this corrigenda will be available at no charge

IEEE 802.3ay, (IEEE P802.3Rev) Maintenance #9 (Revision) Task Force

IEEE Std 802.3 revision plan

IEEE Std. 802.3 Revision (IEEE 802.3ay)

IEEE Std 802.3-2005 Published 12/05 5 Sections

Revision request (selected at Jan interim)

WG Ballot draft

IEEE P802.3REV Consolidated edition

Sponsor Ballot draft

IEEE P802.3REV Target approval 03/08

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 Published 09/06

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

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

IEEE P802.3ap/D3.3 Backplane Ethernet Approved 03/07

IEEE Std 802.3-2005/ Cor2/D2.0 10GBASE-T Corr Target 05/07

IEEE P802.3ar Congestion management Target approval ??

IEEE Std 802.1AX New Standard (IEEE 802.3ax)

IEEE P802.1AX Link Aggregation

IEEE P802.1AX Link Aggregation

Transfer to IEEE 802.1

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

No sponsor balloting

IEEE P802.3av sponsor ballot

2005 — 2006 — 2007 — 2008 —

IEEE Std 802.3 revision timeline

Timeline

Revision request selection	17th	Jan	2007
NesCom submittal#	27th	Jan	2007
Draft D0.9 drafts precirculated	5th	Mar	2007
802.3 PARs approval	15th	Mar	2007
802.3 WG ballot preapprove	15th	Mar	2007
EC PARs approval	16th	Mar	2007
PARs approval#	22nd	Mar	2007
D1.0 Working Group ballot	23rd	Mar	2007
D1.0 Comment resolution	28th	May	2007
D1.1 Working Group ballot recirculation	29th	Jun	2007
D1.1 Comment resolution	18th	Jul	2007
D1.2 Working Group ballot recirculation		Aug	2007
D1.2 Comment resolution		Sep	2007
D2.0 Sponsor Ballot		Sep	2007
D2.0 Comment resolution		Nov	2007
RevCom submittal#		Jan	2008
Standards board approval#		Mar	2008

Externally determined dates
* Recirculation if required

IEEE 802.3ay (IEEE P802.3) revision Working Group ballot results

- Working group ballot approved at March plenary
  - Ballot opened 9th April 2007, closed 14th May 2007

Comments received: 180

	#	%		Status
		Actual	Required	
Abstain	20	23	< 30	PASS
Disapprove with comment	5	-	-	-
Disapprove without comment	0	-	-	-
Approve	62	93	≥ 75	PASS
Ballots returned	87	51	≥ 50	PASS
Voters	170	-	-	-

IEEE 802.3ay (IEEE P802.3) revision Detailed Working Group ballot results

Request	Voters	Approve	Disapprove	Abstain	Returned	Approve (%)	Abstain (%)	Returned (%)
Base	169	62	5	23	87	93	23	51
1169	169	67	0	23	87	100	23	51
1171	169	67	0	23	87	100	23	51
1172	169	67	0	23	87	100	23	51
1173	169	67	0	23	87	100	23	51
1174	169	67	0	23	87	100	23	51
1177	169	67	0	23	87	100	23	51
1178	169	66	1	23	87	98	23	51
1179	169	67	0	23	87	100	23	51
1180	169	67	0	23	87	100	23	51
1181	169	67	0	23	87	100	23	51
1182	169	67	0	23	87	100	23	51
1183	169	67	0	23	87	100	23	51
1184	169	67	0	23	87	100	23	51
1185	169	67	0	23	87	100	23	51
1186	169	67	0	23	87	100	23	51
1187	169	67	0	23	87	100	23	51
1188	169	67	0	23	87	100	23	51
1189	169	67	0	23	87	100	23	51
1190	169	67	0	23	87	100	23	51
1191	169	67	0	23	87	100	23	51
1194	169	67	0	23	87	100	23	51

Geneva interim meeting report

- **Met Monday 28th May**
  - Thanks to those that attended
- **Reviewed IEEE 802.3ay/D1.0 (IEEE P802.3)**
- **Responded to 180 comments**

E (Editorial)	107
ER (Editorial required)	8
T (Technical)	56
TR (Technical required)	9

- **Major change - Link Aggregation Management**
  - Reinstated Link Aggregation management in Clause 30
  - Now marked as deprecated by IEEE Std 802.1AX-200X
- **Issued recirculation ballot on D1.1**

IEEE 802.3ay (IEEE P802.3) revision Working Group recirculation ballot results

- ## Working group recirculation ballot
  - Ballot opened 29th June 2007, closed 14th July 2007

Comments received: 99	Initial ballot			Recirculation			Req %
	#	%	Status	#	%	Status	
Abstain	20	23	PASS	14	14	PASS	< 30
Disapprove with comment	5	-	-	7	-	-	-
Disapprove without comment	0	-	-	0	-	-	-
Approve	62	93	PASS	80	92	PASS	≥ 75
Ballots returned	87	51	PASS	101	59	PASS	≥ 50
Voters	170	-	-	170	-	-	-

IEEE 802.3ax (IEEE P802.1AX) Link Aggregation Task Force

IEEE 802.3ax (IEEE P802.1AX)
Working Group ballot results

- Working group ballot approved at March plenary
  - Ballot opened 6th April 2007, closed 11th May 2007
- Failed to be meet abstain rate requirement
  - Significant number of 'Abstain - Lack of Time' ballots
  - Ballot extended to 16th May

	#	%		Status
		Actual	Required	
Abstain	28	33	< 30	FAIL
Disapprove with comment	3	-	-	-
Disapprove without comment	0	-	-	-
Approve	55	95	≥ 75	PASS
Ballots returned	86	51	≥ 50	PASS
Voters	170	-	-	-

IEEE 802.3ax (IEEE P802.1AX) Working Group ballot results

- **Extension closed 16th May 2007**
  - Still failing due to abstain rate
- **Continued with comment resolution meeting**
  - At IEEE 802.3 May Interims week

Comments received: 41

	#	%		Status
		Actual	Required	
Abstain	30	30.3	< 30	FAIL
Disapprove with comment	3	-	-	-
Disapprove without comment	0	-	-	-
Approve	66	96	≥ 75	PASS
Ballots returned	99	59	≥ 50	PASS
Voters	170	-	-	-

IEEE 802.3ax (IEEE P802.1AX) Working Group ballot results

- At IEEE 802.3 May interims week abstains flipped to approve
  - Ballot now passed

Comments received: 41

	#	%		Status
		Actual	Required	
Abstain	27	27	< 30	PASS
Disapprove with comment	3	-	-	-
Disapprove without comment	0	-	-	-
Approve	69	96	≥ 75	PASS
Ballots returned	99	58	≥ 50	PASS
Voters	170	-	-	-

Geneva interim meeting report

- **Met Monday 28th May**
  - Thanks to those that attended
- **Reviewed IEEE 802.3ax/D1.0 (IEEE P802.1AX)**
- **Responded to 41 comments**

E (Editorial)	21
ER (Editorial required)	3
T (Technical)	13
TR (Technical required)	4

- **Major change - removed GDMO annex**
  - Deprecated GDMO remains in IEEE Std 802.3
  - Once IEEE 802.1 did any work on IEEE 802.1AX the GDMO Annex would head for great bit bucket in the sky
    - No point going to work if including it
- **Issued recirculation ballot on D1.1**

IEEE 802.3ax (IEEE P802.1AX) Link Aggregation Working Group recirculation ballot results

- ## Working group recirculation ballot
  - Ballot opened 29th June 2007, closed 14th July 2007

Comments received: 21	Initial ballot			Recirculation			Req %
	#	%	Status	#	%	Status	
Abstain	27	27	PASS	14	14	PASS	< 30
Disapprove with comment	3	-	-	7	-	-	-
Disapprove without comment	0	-	-	0	-	-	-
Approve	69	96	PASS	80	92	PASS	≥ 75
Ballots returned	99	58	PASS	101	59	PASS	≥ 50
Voters	170	-	-	170	-	-	-

IEEE 802.3ax and IEEE 802.3ay plans for week

- Plans for week
  - Meet Wednesday morning
    - Please note 8:00AM start
  - Review and respond to comments on drafts
  - Expect to request conditional approval to proceed to Sponsor ballot at closing plenary

IEEE Std 1802.3-2001 Reaffirmation

IEEE 1802.3-2001 Reaffirmation

- Standards require reaffirmation/revision every 5 years
- Voted in July 2006 to proceed with reaffirmation
- Initial sponsor ballot
  - Ballot opened 10th August 2006
  - Ballot closed 9th September 2006
- Comments received stated standard out of date
  - Comment resolution agreed that standard should be withdrawn
    - But advice from staff is was need to complete balloting
- Voted in November 2006 to continue

    Motion : IEEE 802.3 recommends that IEEE Std 1802.3-2001 should be withdrawn and that this recommendation should be provided to the balloters. The recirculation cover letter and comment database should reflect this recommendation.

- Sponsor recirculation ballot
  - Ballot opened 1st March 2007
  - Ballot closed 16th March 2007

IEEE 1802.3 Reaffirmation
Sponsor recirculation ballot results

Ballot opened 1st March 2007, closed 16 March 2007

Comments received: ??

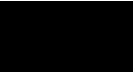|	Initial ballot			Recirculation			Req %
	#	%	Status	#	%	Status	
Abstain	4	6	PASS	4	6	PASS	< 30
Disapprove with comment	5	-	-	8	-	-	-
Disapprove without comment	1	-	-	3	-	-	-
Approve	52	91	PASS	48	86	PASS	≥ 75
Ballots returned	62	81	PASS	63	82	PASS	≥ 75
Voters	77	-	-	77	-	-	-

IEEE 1802.3-2001 Reaffirmation

- Reaffirmation remains approved
- Next steps
  - Discuss at this weeks maintenance meeting
- Possible approach
  - IEEE 802 EC as sponsor can request withdrawal
  - Motion from IEEE 802.3 WG
    - State desire to see standard withdrawn
    - Request IEEE 802 EC as sponsor to request withdrawal

Maintenance Web Information

- IEEE 802.3 Maintenance web site:

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

- IEEE 802.3 Maintenance request form is available at:

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

  Username: ██████

  Password: ████████

  Password **is** case sensitive

- IEEE 802.3aw (IEEE P802.3-2005/Cor 2)10GBASE-T Corrigendum

  http://www.ieee802.org/3/aw/index.html

- IEEE 802.3ax (IEEE P802.1AX) Link Aggregation

- IEEE 802.3ay (IEEE P802.3) Maintenance #9 (Revision)

  http://www.ieee802.org/3/axay/index.html