

IEEE 802.3 Maintenance

March 15th, 2007

Orlando, FL

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Activities this week

- Met Wednesday afternoon
 - Reviewed open maintenance request
 - Reviewed IEEE Std 802.3 revision plan
 - IEEE P802.1AX (IEEE 802.3ax) Link Aggregation
 - IEEE P802.3REV (IEEE 802.3ay) Maintenance #9
 - PAR review
 - Draft review
 - ITU Liaison

Maintenance Request Status

- 36 Open Maintenance requests
- Current status of open requests -

Ready for ballot	31
Included in IEEE P802.3REV	21
Forwarded to IEEE P802.3at	10
Awaiting clarification	1
To be categorised	4

Status updates

Request: 1192
Standard: IEEE Std 802.3-2005
Subclause: Fig 33C-2
Subject: Typo.
Status: Forward to IEEE P802.3at

Request: 1193
Standard: IEEE Std 802.3-2005
Subclause: 33.3.5.7
Subject: Correct reference to turn on voltage specification
Status: Forward to IEEE P802.3at

Request: 1194
Standard: IEEE Std 802.3an-2006
Subclause: 55.4.2.5.13
Subject: Figure error
Status: Ready for ballot, include in IEEE P802.3REV

IEEE 802.3aw
(IEEE Std 802.3-2005/Cor 2)
10GBASE-T Corrigendum

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

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

- Timeline

Draft review		16 th Nov 2006
EC PAR approval		17 th Nov 2006
Working Group ballot	Open	29 th Dec 2006
	Close	19 th Feb 2007
PAR approval [#]		27 th Feb 2007
Form sponsor ballot group	Open	12 th Mar 2007
Comment resolution		14 th Mar 2007
Form sponsor ballot group	Close	26 th Mar 2007
Sponsor Ballot	Open	27 th Mar 2007
Sponsor Ballot	Close	26 th Apr 2007
RevCom submittal #		27 th Apr 2007
Standards board approval #		07 th Jun 2007

Externally determined dates

IEEE P802.3-2005/Cor 2 10GBASE-T Corrigendum

Working Group ballot results

Ballot opened 29th December 2006, closed 19th February 2007

Comments received: 13

	#	%		Status
		Actual	Require	
Abstain	14	12.5	< 30	PASS
Disapprove with comment	0	-	-	-
Disapprove without comment	0	-	-	-
Approve	98	100	≥ 75	PASS
Ballots returned	112	58	≥ 50	PASS
Voters	192	-	-	-

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

- Draft approved at Working Group ballot
 - 100% Approval
- 13 comments received were considered
 - Responses developed
 - No changes to draft
- Proceed to Sponsor ballot
 - Need IEEE 802.3 and EC approval
 - Can be granted this week
- Target June RevCom submittal
 - Need IEEE 802.3 approval
 - Can request as well this week but not normal

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

Request that IEEE 802.3 requests that the EC forward IEEE P802.3-2005/Cor 2 D2.0 to Sponsor ballot.

The result of the above is that the IEEE 802.3 Working Group chair will request EC approval for submission of IEEE P802.3-2005/Cor 2 to the RevCom conditional upon successful completion of the initial Sponsor ballot (not seeking separate WG approval for RevCom submittal is felt appropriate for expedited processing of a Corrigenda).

Request that IEEE 802.3 authorises the IEEE 802.3aw Task Force to conduct meetings and recirculation ballots as necessary to resolve comments received during Sponsor Balloting.

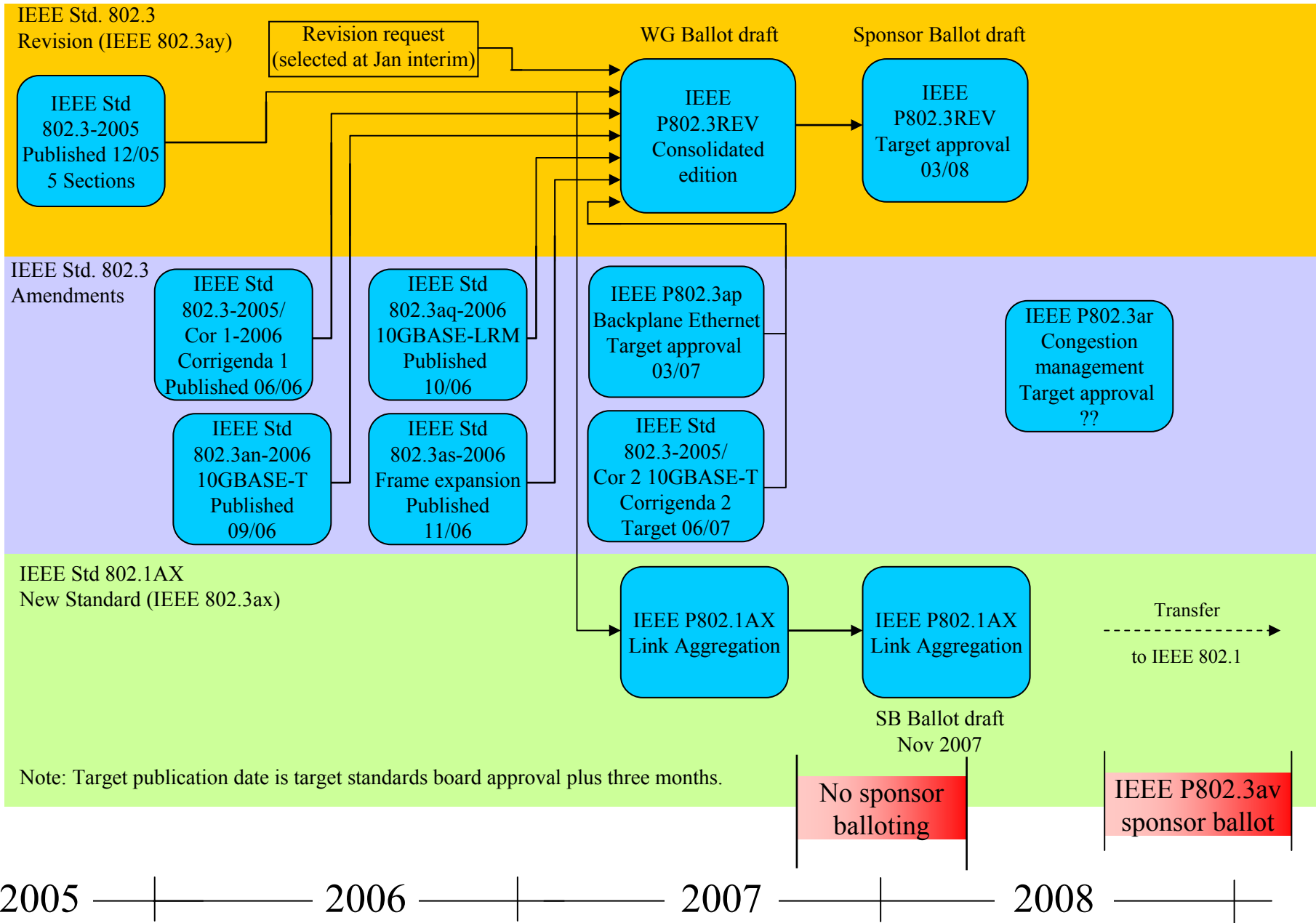
M: D. Law

Y: 59 N: 0 A: 3

S: T. Dineen

IEEE 802.3 Revision plan

IEEE Std 802.3 revision plan



IEEE Std 802.3 revision Timeline

- Timeline

Revision request selection	17 th	Jan	2007
NesCom submittal [#]	27 th	Jan	2007
Draft D0.9 precirculated	5 th	Mar	2007
802.3 PAR approval	15 th	Mar	2007
802.3 WG ballot preapprove	15 th	Mar	2007
EC PAR approval	16 th	Mar	2007
PAR approval [#]	22 nd	Mar	2007
Working Group Ballot	23 rd	Mar	2007
Sponsor Ballot		Sep	2007
RevCom submittal [#]		Jan	2008
Standards board approval [#]		Mar	2008

[#] Externally determined dates

Review of PAR Comments

- IEEE P802.1AX (IEEE 802.3ax)
 - No comments from other Working Groups
 - No comments from IEEE 802.3 participants
- IEEE P802.3REV (IEEE 802.3ay)
 - No comments from other Working Groups
 - 3 comments from IEEE 802.3 participants
 - Based on these scope statement changed

New IEEE P802.3REV Scope

This standard defines Ethernet local **area, access and metropolitan** area networks. Ethernet is specified at selected speeds of operation; and uses a common media access control (MAC) specification and management information base (MIB). The Carrier Sense Multiple Access with Collision Detection (CSMA/CD) MAC protocol specifies shared medium (half duplex) operation, as well as full duplex operation. Speed specific Media Independent Interfaces (MIIs) provide an architectural and optional implementation interface to selected physical layer **entities** (~~PHY interfaces~~). The physical layer encodes frames for transmission and decodes received frames with the modulation specified for the speed of operation, transmission medium and supported link length. ~~In addition to the local area network applications, other~~ **Other** specified capabilities include: ~~PHY types for access networks, PHYs suitable for metropolitan area network applications~~ **control and management protocols**, and the provision of power over selected twisted pair PHY types.

IEEE 802.3 Motion

IEEE 802.3 approves the PAR for IEEE P802.3REV Maintenance #9 (Revision) as modified, and IEEE 802.1AX Link Aggregation PAR as presented.

IEEE 802.3 requests the IEEE 802 LMSC Executive Committee to submit the IEEE P802.3REV and IEEE 802.1AX to NesCom.

M: David Law

Y: 70 N: 0 A: 5

S: Howard Frazier

Note:- As a maintenance PARs these do not need supporting 5 Criteria.

Review of Drafts

- IEEE P802.1AX (IEEE 802.3ax)
 - No comments
- IEEE P802.3REV (IEEE 802.3ay)
 - Move Annex 43B to be Annex 57A
 - This impacts the IEEE P802.1AX draft
 - Include the IEEE P802.3-2005/Cor 2 text
 - Remove place holder for Clause 55
 - Was in the Clause 54 file
 - Review of textural changes from precirculated draft
 - IEEE P802.1AX (802.3ax) Link Aggregation D1.0
 - IEEE P802.3REV (IEEE 802.3ay) Maintenance #9 D1.0

IEEE 802.3 motion

Request that IEEE 802.3 send IEEE P802.3REV D1.0 and IEEE P802.1AX D1.0 to Working Group ballot contingent upon the approval of the PAR (making this request at the same time as PAR submittal is without precedent).

Request that IEEE 802.3 authorises the IEEE 802.3ax and IEEE 802.3ay Task Forces to conduct meetings and recirculation ballots as necessary to resolve comments received during Working Group ballot.

M: David Law Y: 71 N: 0 A: 1
S: Hugh Barrass