

IEEE 802.3 Maintenance

March 12th, 2006

Orlando, FL

David Law

David_Law@3Com.com

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 WWW site

Maintenance Request Status

- 34 Open Maintenance requests
- 2 new requests since November
 - Both related to IEEE Std 802.3-2005
 - Clause 33 DTE Power Via MDI
- Current status of open requests -

Ready for ballot	29
Awaiting clarification	1
To be categorised	5

New requests

Request	Standard	Subclause	Subject
1192	IEEE Std 802.3-2005	Fig 33C-2	Typo
1193	IEEE Std 802.3-2005	33.3.5.7	Correct reference to turn on voltage specification

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

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

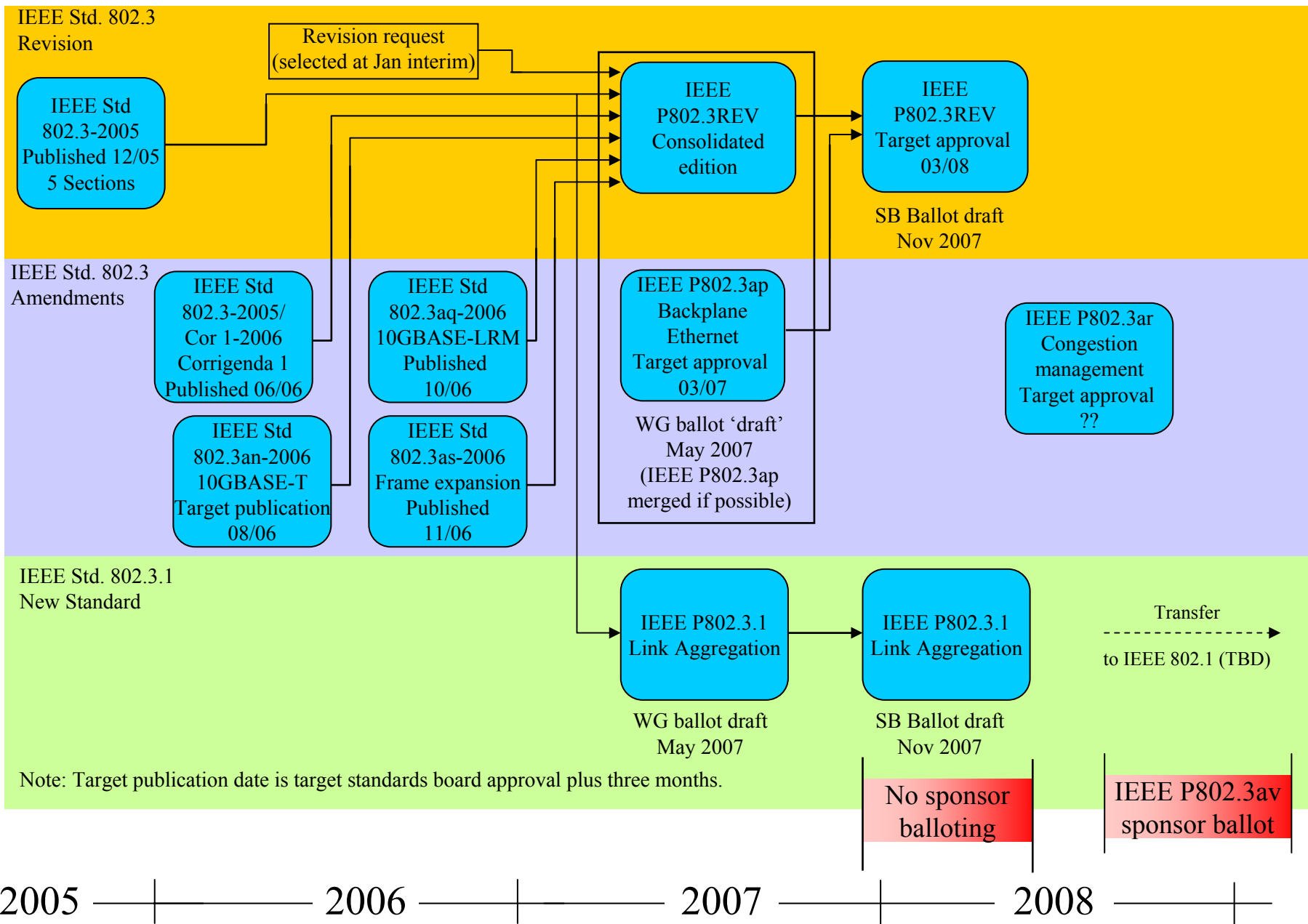
IEEE 802.3 Revision

- 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
- Opportunity to move Link Aggregation to IEEE 802.1
 - It is an 802.3 sublayer but it has to go above IEEE Std 802.1x

Review of task

- Motion passed 16th Nov 2006
 - Request that IEEE 802.3 authorise the IEEE 802.3 Working Group chair to work with the IEEE 802.3 Maintenance Task Force to generate and pre-submit a Revision PAR for IEEE Std 802.3 and a New Standard PAR for IEEE P 802.3.1 Link Aggregation based on the plan ‘IEEE Std 802.3 revision plan proposal – 16th November 2006’
 - Charter the IEEE 802.3 Maintenance Task Force to develop drafts based on plan ‘IEEE Std 802.3 revision plan proposal – 16th November 2006’
 - Request that IEEE 802.3 authorise the IEEE 802.3 Maintenance Task Force to pre-submit the IEEE 802.3 Revision and IEEE P802.3.1 drafts prior to the March plenary if available (making this request without a PAR is without precedent).

IEEE Std 802.3 revision plan proposal – 16th November 2006



Monterey interim meeting report

- Met Wednesday 17th January
 - Thanks to those that attended
- One deviation
 - Link Aggregation standard now IEEE P802.1AX
 - Still IEEE 802.3 project but will be IEEE 802.1 standard
 - Similar approaches to some IEEE Std 802.1D amendments
 - » Most recent IEEE 802.17a
- Reviewed draft PARs
 - IEEE P802.1AX - Link Aggregation
 - Internal designation - IEEE 802.3ax
 - IEEE P802.3REV – Maintenance #9 (revision)
 - Internal designation - IEEE 802.3ay
- Reviewed draft content
 - Clause and annexes to remove for IEEE P802.1AX
 - Selected revision requests for inclusion in draft

Requests included in IEEE 802.3REV draft

1169	802.3-2005	Figure 64-28	Gate Processing ONU Programming StateDiagram
1171	802.3-2005	60	No time specified for receiver settling time in PONS
1172	802.3-2005	65	Shall statement without a PICS
1173	802.3-2005	60	Correct Octets to be ten-bit code-groups
1174	802.3-2005	57	OAM access of multiple instances of objects
1177	802.3-2005	30.5.1.1.15 and 30.5.1.1.16	aFECCorrectedBlocks / aFECUncorrectableBlocks
1178	802.3-2005	48.2.4.2.3	Idle deletion rules
1179	802.3-2005	28.5.4.5	Cross reference error
1180	802.3an-2006	28.5.4.8	PICS status error
1181	802.3an-2006	45.2.1.1	Register name error
1182	802.3an-2006	45.2.1.4	Missing bit definition in register
1183	802.3an-2006	45.2.1.60	Table and text do not match
1184	802.3-2005	45.2.7.1	Cross reference error
1185	802.3an-2006	45.2.7.10	Bit description typo
1186	802.3an-2006	45.5.3.3	Missing PICS item
1187	802.3an-2006	45.5.3.8	PICS clarification
1188	802.3an-2006	45.5.3.8	PICS inconsistent with text
1189	802.3an-2006	55.12.6	PICS status error
1190	802.3an-2006	55.12.8	PICS cross reference error
1191	802.3an-2006	28.3.4	Variable spelling error

IEEE Std 802.3 revision

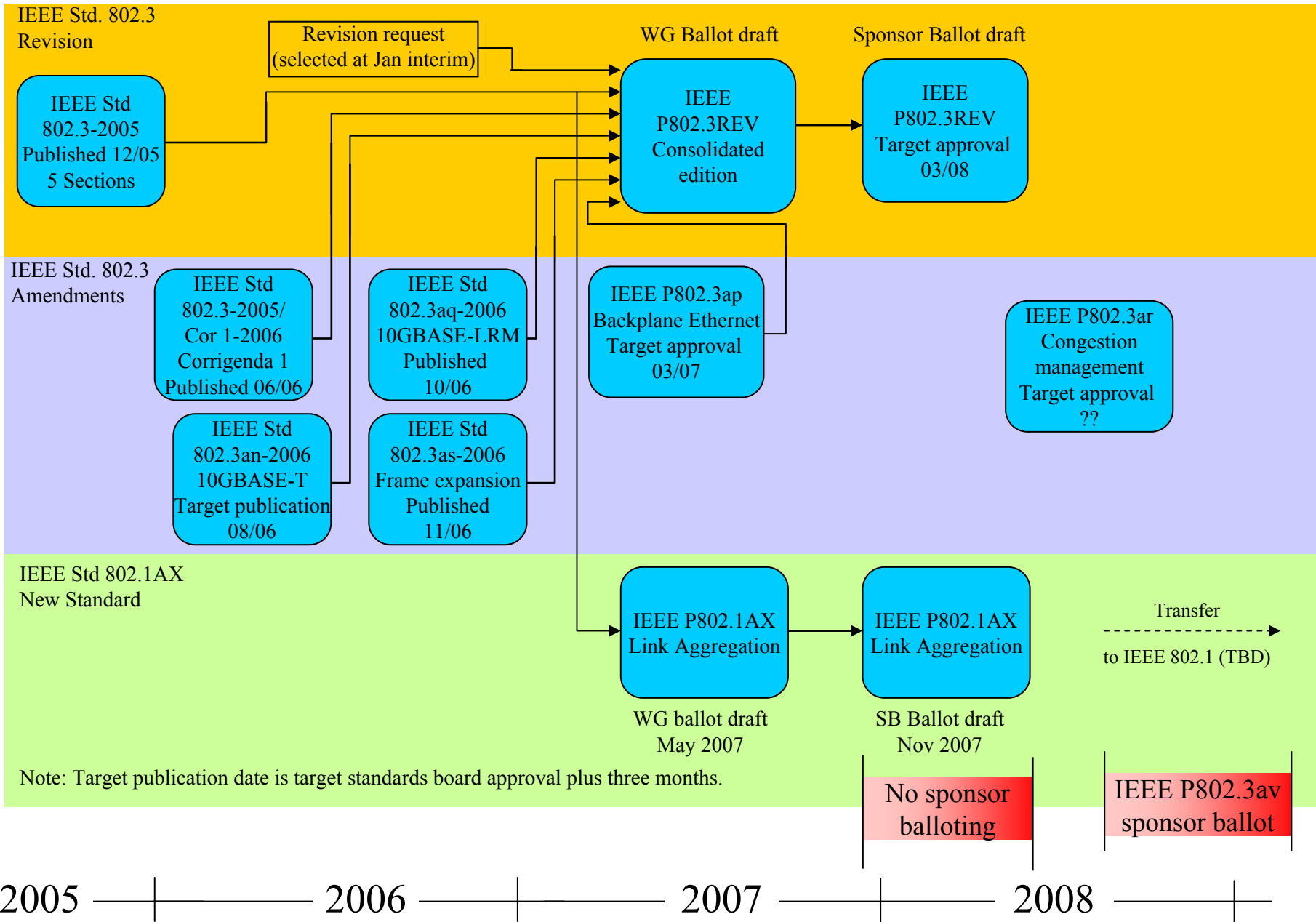
IEEE 802.1AX Link Aggregation

- Contents
 - Clause 43 Link Aggregation
 - Annex 43A Collection and Distribution functions
 - Annex 43C LACP standby link selection and dynamic Key management
 - Annex 30C SNMP MIB definitions for Link Aggregation
 - Clause 1 definition related only to Link Aggregation
 - For example subclause 1.4.53 ‘**Actor:** The local entity in a Link Aggregation Control Protocol exchange. (See IEEE 802.3, Clause 43.)’
 - Subclause 30.7 Management for Link Aggregation
 - And all its subclauses
 - Annex 30B content in support of 30.7
- Keep in IEEE 802.3
 - Annex 43B Requirements for support of Slow Protocols

Status and plans for week

- PAR Status
 - Draft PAR pre-submitted of LMSC and NesCom
- Draft Status
 - IEEE-SA Editor produce consolidated well ahead of plan
 - Added Revision request to draft
 - Extracted clauses and formed IEEE 802.1AX draft
 - Drafts pre-circulated to IEEE 802.3 last week
- Plans for week
 - Meet Wednesday afternoon
 - Review and respond to comments on PAR
 - Review and respond to comments on drafts
 - Expect to request at closing plenary
 - Approval of draft PARs
 - Approval to proceed to Working Group ballot

IEEE Std 802.3 revision plan



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

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
Comment resolution		14 th Mar 2007
Form sponsor ballot group	Open	12 th Mar 2007
	Close	26 th Mar 2007
Sponsor Ballot	Open	27 th Mar 2007
	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: 4

	#	%		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	-	-	-

Plans for week

- Meet Wednesday afternoon
 - Review and respond to comments on drafts
 - Agree next steps
 - Dependant on forming sponsor ballot group

IEEE Std 1802.3 Reaffirmation

IEEE 1802.3-2001 Reaffirmation

- Standards require reaffirmation or revision
 - Every 5 years
- Initial sponsor ballot
 - Ballot opened 10th August 2006
 - Ballot closed 9th September 2006
- Based on comments received the following motion was passed at November IEEE 802 plenary:
 - 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 closes 16th March 2007

IEEE 1802.3 Reaffirmation

Sponsor ballot results

Ballot opened 1st March 2007, **closes 16th March 2007**

Comments received: 8

	#	%		Status
		Actual	Require	
Abstain	4	6	< 30	PASS
Disapprove with comment	5	-	-	-
Disapprove without comment	1	-	-	-
Approve	52	91	≥ 75	PASS
Ballots returned	62	81	≥ 75	PASS
Voters	77	-	-	-

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