

IEEE 802.3 Maintenance Task Force

6th November 2014

San Antonio, CA USA

Adam Healey
Chair, IEEE 802.3 Maintenance TF
Vice-Chair, IEEE 802.3 Working Group

Topics

- This week's activities
- Review status of open revision requests
- IEEE 802.3 revision
- Response to China NB comment
- IEEE 802.3 Maintenance web site

This week's activities

- Considered 7 maintenance requests

| | |
|------|--|
| 1263 | Change 64B/66B to encode illegal inter-packet gaps. Rejected as beyond the scope of maintenance because it is a new feature request. |
| 1264 | Require that the Extended Next Page OUI Tagged Message be followed by an unformatted Extended Next page. Withdrawn by the submitter. |
| 1266 | Remove 10GBASE-T periodic training sequence. Referred to the P802.3bq TF. |
| 1267 | CF7 missing Status/Support. Change status to “Ready for ballot”. |
| 1268 | TC10 missing Status/Support. Change status to “Ready for ballot”. |
| 1269 | TC19 missing Status/Support. Change status to “Ready for ballot”. |
| 1270 | Possible deadlock condition in Figure 25-3. Submitter asked to re-submit the request with the desired resolution expressly stated (incomplete). |

MR 1263 TF Motion

- Motion #3: Reject revision request 1263 as beyond the scope of maintenance because it is a request for a new feature
 - M: M. Hajduczenia S: V. Maguire
 - Technical ($\geq 75\%$)
 - Y: 5, N: 0, A: 1
 - Motion PASSES

WG Motion

- Reject revision request 1263 as beyond the scope of maintenance because it is a request for a new feature
 - M: A. Healey on behalf of the Maintenance TF
 - Technical ($\geq 75\%$)
 - Y: XX, N: XX, A: XX
 - Motion PASSES/FAILS

Revision request status

- 28 * (26) ** open revision requests
- Current status of open requests
 - Approved 0 * (0) **
 - Ready for ballot 17 (20)
 - Balloting 4 (4)
 - To be categorized 7 (2)

* As shown on the maintenance web site

** Reflects pending updates

IEEE 802.3 revision

IEEE Std 802.3 Revision

IEEE-SA Standards Board Operations Manual

(Approved by the IEEE-SA Standards Board December 2013)

8.1.2 Amendments and corrigenda

Up to three amendments can be approved before the standard shall be revised, unless the base standard has been approved within the past three years. In such a case, multiple amendments may be added until the base standard is three years old. After the three-year period, RevCom shall defer consideration of additional amendments or corrigenda until a revision or a two-year extension request is approved by the IEEE-SA Standards Board.

- **IEEE Std 802.3-2012 was approved 30th August 2012**
- **IEEE P802.3bm will be the third amendment**

IEEE 802.3 Revision Plan (July 2014)

Initial WG ballot
 IEEE Std 802.3-2012 + ...
 IEEE Std 802.3bk-2013 + ...
 IEEE Std 802.3bj-2014 + ...
 Revision requests "Ready for ballot"
 IEEE P802.3bm

WG approve PAR
 EC approve PAR

WG-r1

Conditional approval
 WG-r2

IEEE P802.3bm SB-r2

[Conditional] approval
 IEEE P802.3bm SB-r3

Initial Sponsor ballot
 IEEE Std 802.3-2012 + ...
 IEEE Std 802.3bk-2013 + ...
 IEEE Std 802.3bj-2014 + ...
 IEEE Std 802.3bm-2014 + ...
 Revision requests "Ready for ballot"

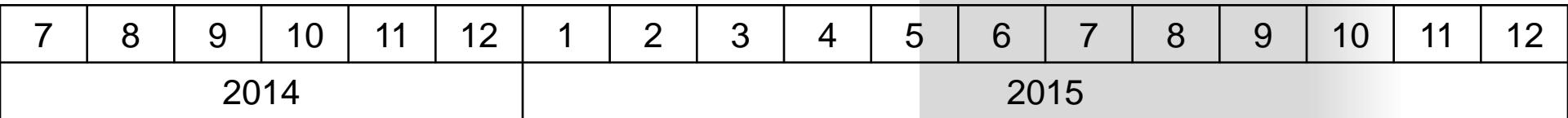
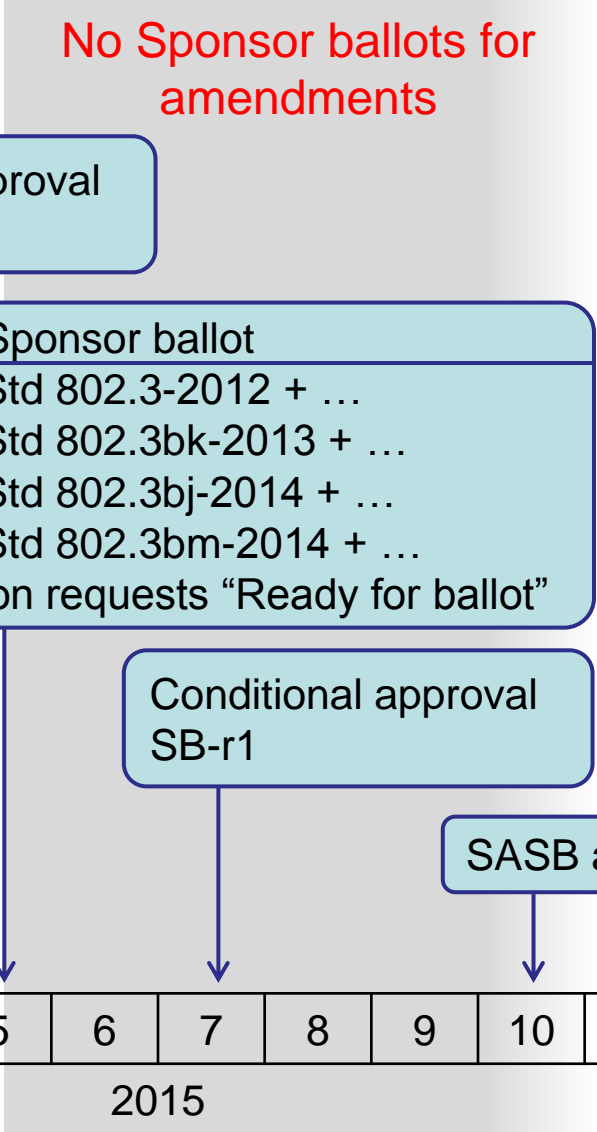
SASB approve PAR?

IEEE P802.3bm SB-r4?

SASB approval

Conditional approval
 SB-r1

SASB approval



Schedule concerns

| Year | 2014 | | 2015 | | | | | | | | | | | | 2016 | | | | | | | | | | | | 2017 | | | | |
|----------|------|----|------|-----|----|---|---|---|---|---|---|----|----|----|------|---|---|---|---|---|---|---|---|----|----|----|------|---|---|---|--|
| Month | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | |
| P802.3bm | | | | Std | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P802.3bn | | | | | WG | | | | | | | | SB | | | | | | | | | | | | | | | | | | |
| P802.3bp | | | | | WG | | | | | | | | SB | | | | | | | | | | | | | | | | | | |
| P802.3bq | | | | | WG | | | | | | | | SB | | | | | | | | | | | | | | | | | | |
| P802.3br | | | | | WG | | | | | | | | SB | | | | | | | | | | | | | | | | | | |
| P802.3bs | | | | | | | | | | | | | WG | | | | | | | | | | | | | | | | | | |
| P802.3bt | | | | | | | | | | | | | WG | | | | | | | | | | | | | | | | | | |
| P802.3bu | | | | | | | | | | | | | WG | | | | | | | | | | | | | | | | | | |
| P802.3bw | WG | | | | | | | | | | | | SB | | | | | | | | | | | | | | | | | | |
| P802.3bx | WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

- Proposed revision schedule may result in significant delay in P802.3bw approval

Proposed revision schedule

| | | | |
|-------------------|--------------------------|------------------|---------------------------------------|
| 11/10/2014 | WB opens | 4/2/2015 | Maintenance TF meeting (if needed) |
| 12/10/2014 | WB closes | 4/8/2015 | SB opens |
| 12/23/2014 | Ad hoc teleconference #1 | 5/8/2015 | SB closes |
| 1/8/2015 | Ad hoc teleconference #2 | 5/20/2015 | Maintenance TF meeting |
| 1/14/2015 | Maintenance TF meeting | 6/1/2015 | SB-r1 opens |
| 2/9/2015 | WB-r1 opens | 6/16/2015 | SB-r1 closes |
| 2/24/2015 | WB-r1 closes | 6/18/2015 | Maintenance TF meeting (if needed) |
| 3/11/2015 | Maintenance TF meeting | 6/23/2015 | SB-r2 opens |
| 3/13/2015 | Conditional SB approval | 7/8/2015 | SB-r2 closes |
| 3/16/2015 | WB-r2 opens | 7/17/2015 | RevCom submittal |
| 3/31/2015 | WB-r2 closes | 8/28/2015 | P802.3 approved!?! |

Implications of proposal schedule

| Year | 2014 | | 2015 | | | | | | | | | | | | 2016 | | | | | | | | | | | | 2017 | | | | |
|----------|------|----|------|-----|----|---|---|---|---|---|---|----|----|----|------|---|---|---|---|---|---|---|---|----|----|----|------|---|---|---|--|
| Month | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 1 | 2 | 3 | 4 | |
| P802.3bm | | | | Std | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P802.3bn | | | | | WG | | | | | | | | SB | | | | | | | | | | | | | | | | | | |
| P802.3bp | | | | | WG | | | | | | | | SB | | | | | | | | | | | | | | | | | | |
| P802.3bq | | | | | WG | | | | | | | | SB | | | | | | | | | | | | | | | | | | |
| P802.3br | | | | | WG | | | | | | | | SB | | | | | | | | | | | | | | | | | | |
| P802.3bs | | | | | | | | | | | | | WG | | | | | | | | | | | | | | | | | | |
| P802.3bt | | | | | | | | | | | | | WG | | | | | | | | | | | | | | | | | | |
| P802.3bu | | | | | | | | | | | | | WG | | | | | | | | | | | | | | | | | | |
| P802.3bw | WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| P802.3bx | WG | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

- Contain impact to P802.3bw to one “cycle”
- Requires parallel Sponsor ballots for Revision and first amendment to the Revision

WG Ballot TF Motion

- Motion #4: Request that the IEEE 802.3 Working Group chair progress IEEE P802.3Rev (IEEE 802.3bx) Draft 2.0 to Working Group ballot. Draft 2.0 is Draft 1.0 (preview draft) plus the IEEE Std 802.3-2012 errata.
 - M: M. Hajduczenia S: V. Maguire
 - Technical ($\geq 75\%$)
 - Y: 6, N: 0, A: 1
 - Motion PASSES

WG Motion

- Request that the IEEE 802.3 Working Group chair progress IEEE P802.3Rev (IEEE 802.3bx) Draft 2.0 to Working Group ballot. Draft 2.0 is Draft 1.0 (preview draft) plus the IEEE Std 802.3-2012 errata.
 - M: A. Healey on behalf of the Maintenance TF
 - Technical ($\geq 75\%$)
 - Y: XX, N: XX, A: XX
 - Motion PASSES/FAILS

Sample ballot form

Your Name: _____

APPROVE ALL WITHOUT COMMENT

APPROVE ALL WITH COMMENTS on SOME
(Comments are non-binding)

DISAPPROVE

[You must attach specific comments for remedy - further you will need to provide a vote below on the base standard as well as each change as listed below, and provide comments on individual changes, as appropriate to your individual item votes.]

ABSTAIN, Lack of Expertise

ABSTAIN, Lack of Time

ABSTAIN, Other _____

Use the following to cast votes on individual parts of the ballot instead of an overall vote. Maintenance change locations are identified by an editor's note [Comment instructions are further down].

| | | | |
|------|------------------------------|--------------------------------------|-------------------------------------|
| Base | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1238 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1239 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1243 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1247 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1249 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1250 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1251 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1253 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1254 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1255 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1256 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1257 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1258 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1259 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1260 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1262 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |
| 1265 | <input type="checkbox"/> App | <input type="checkbox"/> App/Comment | <input type="checkbox"/> Disapprove |

[Approved PAR] 5.5 Need for the project

IEEE Std 802.3-2012 will need to have a revision initiated by 2015 to allow consideration of future amendments per standards board policies. This Revision will include the merge of IEEE Std 802.3bk-2013, IEEE Std 802.3bj-2014 and accumulated maintenance changes. It is also expected to include IEEE Std 802.3bm-201x. Because there are multiple other amendments in the "pipeline", it will be desirable to complete this revision by 2015 to provide a solid base for sponsor balloting of other approved amendment projects. These schedule considerations require that new capabilities or functional enhancement will have to be deferred to a future amendment project to avoid delaying approved and current proposed new projects.

China NB comment

ISO/IEC voting on IEEE Std 802.3.1-2013

- Technical comment from China NB
 - **Comment:** “Although there are the parts describing the relationship to other MIB modules, it still lacks of the description of the relationship to some other greatly-related MIB modules, such as IEEE 802.1AE MIB, IEEE 802.1X MIB.”
 - **Proposed change:** “Add the relationship to some other greatly-related MIB modules in the proposal.”

Liaison Communication TF Motion

- Motion #5: Approve the text in “IEEE_802d3_to_ISOIEC_JTC1_SC6_1114_draft”, with editorial license granted to the IEEE 802.3 Working Group chair (or his appointed agent), as a liaison communication to ISO/IEC JTC 1/SC 6 in response to the China NB comment on IEEE Std 802.3.1-2013.
 - M: G. Thompson S: B. Grow
 - Technical ($\geq 75\%$)
 - Y: 7, N: 0, A: 0
 - Motion PASSES

WG Motion

- Approve the text in “IEEE_802d3_to_ISOIEC_JTC1_SC6_1114_draft”, with editorial license granted to the IEEE 802.3 Working Group chair (or his appointed agent), as a liaison communication to ISO/IEC JTC 1/SC 6 in response to the China NB comment on IEEE Std 802.3.1-2013.
 - M: A. Healey on behalf of the Maintenance TF
 - Technical ($\geq 75\%$)
 - Y: XX, N: XX, A: XX
 - Motion PASSES/FAILS

Maintenance web and reflector

- IEEE 802.3 Maintenance web site
 - <http://www.ieee802.org/3/maint/>
- IEEE 802.3 Maintenance Request form
 - http://www.ieee802.org/3/private/maint/revision_request.html
 - Username: XXXXX
 - Password: XXXXXXXX
- IEEE 802.3 Maintenance reflector
 - stds-802-3-maint@ieee.org

Revision project web and reflector

- IEEE P802.3 (IEEE 802.3bx) Task Force web site
 - <http://www.ieee802.org/3/bx/>
- IEEE P802.3 (IEEE 802.3bx) Task Force private area
 - <http://ieee802.org/3/private/maint/bxballot/index.html>
 - Username: XXXX
 - Password: XXXXXXXX
- Reflector is the IEEE 802.3 Maintenance reflector
 - stds-802-3-maint@ieee.org