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

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Withdrawn by the submitter.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

IEEE P802.3bm SB-r2

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

SASB approve PAR?

IEEE P802.3bm SB-r4?

SASB approval

Conditional approval
WG-r2

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”

Conditional approval
SB-r1

SASB approval

SASB approve PAR?

Conditional approval
SB-r3

SASB approval

2014

2015

7 8 9 10 11 12
1 2 3 4 5 6 7 8 9 10 11 12
### Schedule concerns

<table>
<thead>
<tr>
<th>Year</th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
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<tr>
<td>Month</td>
<td>11 12</td>
<td>1 2</td>
<td>3 4</td>
<td>5 6</td>
</tr>
<tr>
<td>P802.3bm</td>
<td></td>
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<tr>
<td>P802.3bn</td>
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<tr>
<td>P802.3bx</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/10/2014</td>
<td>WB opens</td>
<td>4/2/2015</td>
<td>Maintenance TF meeting (if needed)</td>
</tr>
<tr>
<td>12/10/2014</td>
<td>WB closes</td>
<td>4/8/2015</td>
<td>SB opens</td>
</tr>
<tr>
<td>12/23/2014</td>
<td>Ad hoc teleconference #1</td>
<td>5/8/2015</td>
<td>SB closes</td>
</tr>
<tr>
<td>1/8/2015</td>
<td>Ad hoc teleconference #2</td>
<td>5/20/2015</td>
<td>Maintenance TF meeting</td>
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<td>1/14/2015</td>
<td>Maintenance TF meeting</td>
<td>6/1/2015</td>
<td>SB-r1 opens</td>
</tr>
<tr>
<td>2/9/2015</td>
<td>WB-r1 opens</td>
<td>6/16/2015</td>
<td>SB-r1 closes</td>
</tr>
<tr>
<td>2/24/2015</td>
<td>WB-r1 closes</td>
<td>6/18/2015</td>
<td>Maintenance TF meeting (if needed)</td>
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<tr>
<td>3/13/2015</td>
<td>Conditional SB approval</td>
<td>7/8/2015</td>
<td>SB-r2 closes</td>
</tr>
<tr>
<td>3/16/2015</td>
<td>WB-r2 opens</td>
<td>7/17/2015</td>
<td>RevCom submittal</td>
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<tr>
<td>3/31/2015</td>
<td>WB-r2 closes</td>
<td>8/28/2015</td>
<td>P802.3 approved!?!</td>
</tr>
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</table>
Implications of proposal schedule

- 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 (>= 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 (>= 75%)
  – Y: XX, N: XX, A: XX
  – Motion PASSES/FAILS
IEEE P802.3 (IEEE 802.3bx) Maintenance #11 (Revision) D2.0 ballot

**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].

<table>
<thead>
<tr>
<th>Base</th>
<th>App</th>
<th>App/Comment</th>
<th>Disapprove</th>
</tr>
</thead>
<tbody>
<tr>
<td>1238</td>
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</table>
[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 (>= 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 (>= 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
  - 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

- IEEE P802.3 (IEEE 802.3bx) Task Force private area
  - Username: XXXX
  - Password: XXXXXXX

- Reflector is the IEEE 802.3 Maintenance reflector
  - [stds-802-3-maint@ieee.org](mailto:stds-802-3-maint@ieee.org)