IEEE 802.3 Maintenance Task Force
24th May 2017
New Orleans, LA USA

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

- Introductions
- Review and approve agenda
- Approve minutes
- Patent policy
- Participation in IEEE 802 Meetings
- Attendance procedures
- Review status of open revision requests
- Review revision requests
- IEEE P802.3-2015/Cor 1 progress report
- Response to China NB comments
- Draft to ISO/IEC JTC 1/SC 6 for preview
- Additions to the IANA MAU MIB progress report
- Revision plan
- Future meetings
Agenda and Minutes Motions

- Motion #1: Approve the agenda
  - M: R. Grow  S: M. Hajduczenia
  - Passes by voice vote without opposition

- Motion #2: Approve the March 2017 minutes
  - M: S. Carlson  S: M. Hajduczenia
  - Passes by voice vote without opposition

- March 2017 minutes were posted 17 March 2017
Instructions for the WG Chair

The IEEE-SA strongly recommends that at each WG meeting the chair or a designee:

- Show slides #1 through #4 of this presentation
- Advise the WG attendees that:
  - The IEEE’s patent policy is described in Clause 6 of the IEEE-SA Standards Board Bylaws;
  - Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
  - There may be Essential Patent Claims of which the IEEE is not aware. Additionally, neither the IEEE, the WG, nor the WG chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.

- Instruct the WG Secretary to record in the minutes of the relevant WG meeting:
  - That the foregoing information was provided and that slides 1 through 4 (and this slide 0, if applicable) were shown;
  - That the chair or designee provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) of which the participant is personally aware and that may be essential for the use of that standard
  - Any responses that were given, specifically the patent claim(s)/patent application claim(s) and/or the holder of the patent claim(s)/patent application claim(s) that were identified (if any) and by whom.

- The WG Chair shall ensure that a request is made to any identified holders of potential essential patent claim(s) to complete and submit a Letter of Assurance.
- It is recommended that the WG chair review the guidance in IEEE-SA Standards Board Operations Manual 6.3.5 and in FAQs 14 and 15 on inclusion of potential Essential Patent Claims by incorporation or by reference.

Note: WG includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE-SA Standards Board.
Participants, Patents, and Duty to Inform

All participants in this meeting have certain obligations under the IEEE-SA Patent Policy.

- Participants [Note: Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2]:
  - “Shall inform the IEEE (or cause the IEEE to be informed)” of the identity of each “holder of any potential Essential Patent Claims of which they are personally aware” if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
  - “Should inform the IEEE (or cause the IEEE to be informed)” of the identity of “any other holders of potential Essential Patent Claims” (that is, third parties that are not affiliated with the participant, with the participant’s employer, or with anyone else that the participant is from or otherwise represents)
- The above does not apply if the patent claim is already the subject of an Accepted Letter of Assurance that applies to the proposed standard(s) under consideration by this group
- Early identification of holders of potential Essential Patent Claims is strongly encouraged
- No duty to perform a patent search
Patent Related Links

All participants should be familiar with their obligations under the IEEE-SA Policies & Procedures for standards development.

Patent Policy is stated in these sources:

IEEE-SA Standards Boards Bylaws
http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6

IEEE-SA Standards Board Operations Manual

Material about the patent policy is available at
http://standards.ieee.org/about/sasb/patcom/materials.html

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit
http://standards.ieee.org/about/sasb/patcom/index.html

This slide set is available at
Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance:

- Either speak up now or
- Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible or
- Cause an LOA to be submitted
Other Guidelines for IEEE WG Meetings

- All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.
  - Don’t discuss the interpretation, validity, or essentiality of patents/patent claims.
  - Don’t discuss specific license rates, terms, or conditions.
    - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.
    - Technical considerations remain primary focus
  - Don’t discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.
  - Don’t discuss the status or substance of ongoing or threatened litigation.
  - Don’t be silent if inappropriate topics are discussed … do formally object.

See IEEE-SA Standards Board Operations Manual, clause 5.3.10 and “Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association’s Antitrust and Competition Policy” for more details.
Participation in IEEE 802 Meetings

All participation in IEEE 802 Working Group meetings is on an individual basis

- Participants in the IEEE standards development individual process shall act based on their qualifications and experience. ([https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf section 5.2.1](https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf))

- IEEE 802 Working Group membership is by individual; “Working Group members shall participate in the consensus process in a manner consistent with their professional expert opinion as individuals, and not as organizational representatives”. (subclause 4.2.1 “Establishment”, of the IEEE 802 LMSC Working Group Policies and Procedures)

- Participants have an obligation to act and vote as an individual and not under the direction of any other individual or group. A Participant’s obligation to act and vote as an individual applies in all cases, regardless of any external commitments, agreements, contracts, or orders.

- Participants shall not direct the actions or votes of any other member of an IEEE 802 Working Group or retaliate against any other member for their actions or votes within IEEE 802 Working Group meetings, see [https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf section 5.2.1.3](https://standards.ieee.org/develop/policies/bylaws/sb_bylaws.pdf) and the IEEE 802 LMSC Working Group Policies and Procedures, subclause 3.4.1 “Chair”, list item x.

By participating in IEEE 802 meetings, you accept these requirements. If you do not agree to these policies then you shall not participate.

Attendance

• IEEE Meeting Attendance Tool
  – http://imat.ieee.org/
  – Session access code: Xxxxxxxxx

• For more information, please see…

• Please sign the attendance sheet for the Task Force meeting minutes
Revision request ballot status


<table>
<thead>
<tr>
<th>Project</th>
<th>Revision Requests</th>
</tr>
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</table>
| P802.3bt | 1271 – IEEE P802.3bt/D0.4 comment #139  
1273 – IEEE P802.3bt/D0.4 comment #141  
1276 – IEEE P802.3bt/D2.0 comment #5  
1277 – IEEE P802.3bt/D1.3 comment #21  
1278 – IEEE P802.3bt/D2.0 comment #6  
1294 – IEEE P802.3bt/D1.7 comment #147  
1300 – IEEE P802.3bt/D2.2 comment #455 |
| P802.3cd | 1283 – IEEE P802.3cd/D1.0 comment #31 |

All removed from IEEE P802.3bt/D2.3 (following adoption of January 2017 interim meeting motion #4). Marked “Ready for ballot”.
New revision requests

- 5 new revision requests were received since the March 2017 meeting

<table>
<thead>
<tr>
<th>#</th>
<th>Date</th>
<th>Standard</th>
<th>Clause</th>
<th>Subject</th>
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<tbody>
<tr>
<td>1305</td>
<td>05-Apr-17</td>
<td>802.3bp-2016</td>
<td>97.9.1</td>
<td>General safety requirements</td>
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<td>Clarify source of pd_dll_power_type</td>
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<td>104.4.4.1</td>
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<td>1309</td>
<td>23-May-17</td>
<td>802.3-2015</td>
<td>33</td>
<td>Link section definition</td>
</tr>
</tbody>
</table>
Revision request status summary

- 32 open maintenance requests
- Current status of open requests
  - Approved: 0
  - Balloting: 0
  - Ready for ballot: 26
  - Awaiting clarification: 0
  - Errata: 0
  - To be categorized: 6
Maintenance requests for consideration

- Deadline for consideration at this meeting was 19 April 2017

<table>
<thead>
<tr>
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<th>Date</th>
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<th>Clause</th>
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<td>09-Sep-16</td>
<td>802.3-2015</td>
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<tr>
<td>1301</td>
<td>28-Oct-16</td>
<td>802.3-2015</td>
<td>90</td>
<td>Timestamp reference point for 100BASE-T</td>
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<td>05-Apr-17</td>
<td>802.3bp-2016</td>
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<td>General safety requirements</td>
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</table>
Revision request 1298

- Intended sort order for the PHYs/interfaces in Table 78-1, 78-2, and 78-4 is not clear
- No specific sort order is proposed
- In scope: Yes / No
- Errata: Yes / No
- Complete: Yes / No
- Request revision request be re-submitted with specific revision text (suggest that Table 78-4 be sorted with the same order used in Tables 78-1 and 78-2).
- Recommend that status remain “Received” pending the updated request.
Revision request 1301

- Referral of IEEE 1588-2008 interpretation request #26 to IEEE 802.3
- Request to clarify (in Clause 90) the timestamp reference point for 100BASE-T but no specific text is provided.
- In scope: Yes / No
- Errata: Yes / No
- Complete: Yes / No
- Update: Submitter proposed specific revision text. The proposed text is under discussion.
Revision request 1305

- Aligns text with similar content in 96.9.1 and Clause 97 PICS items ES1 and ES1a
- In scope: Yes / No
- Errata: Yes / No
- Complete: Yes / No
- Change status to “Ready for ballot” and target revision
IEEE P802.3-2015/Cor 1 Multilane Timestamping Corrigendum

[Progress report]
## Final schedule

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<tr>
<th>Date</th>
<th>Event Description</th>
<th>Date</th>
<th>Event Description</th>
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<td>8/8/2016</td>
<td>WB day 1</td>
<td>1/17/2017</td>
<td>SB-r1 day 1</td>
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<td>9/6/2016</td>
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<td>1/31/2017</td>
<td>SB-r1 closes</td>
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<td>2/10/2017</td>
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<td>9/23/2016</td>
<td>WB-r1 day 1</td>
<td>3/14/2017</td>
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<td>WB-r1 closes</td>
<td>3/17/2017</td>
<td>Approval for RevCom submittal</td>
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<td>12/6/2016</td>
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Approved: 3/23/2017  
Published: 4/21/2017  

Project complete!
Response to China NB comments

[Review comments and draft liaison letter]
Drafts to ISO/IEC for review

[Review draft liaison letter]
Liaison motion

- Motion #4: Approve
  IEEE_802d3_to_ISOIEC_JTC1_SC6_0517_1_draft.pdf and
  IEEE_802d3_to_ISOIEC_JTC1_SC6_0517_2_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to ISO/IEC JTC 1/SC 6.
  - M: M. Hajduczenia
  - S: G. Thompson
  - Technical >= 75%
  - Passes by voice vote without opposition
Request to IANA for additions to the IANA MAU MIB

[Progress report]
Activities since March 2017 meeting

- **Request** submitted 22 March 2017
- Request approved 6 April 2017
- Registration completed 10 April 2017
- See [https://www.iana.org/assignments/ianamau-mib](https://www.iana.org/assignments/ianamau-mib)
Revision

[Progress report and motion]
Progress report

- IEEE P802.3 (IEEE 802.3cj) PAR approved 18th May
- Web area created
- Revision draft (D1.0) created
  - IEEE Std 802.3-2015 as modified by approved amendments
  - “Release notes” posted
  - Thanks to Pete Anslow for his assistance in preparing the draft
## Schedule

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Incorporate IEEE Std 802.3bs-201x, IEEE Std 802.3cc-201x, IEEE Std 802.3cb-201x
### MRs proposed for inclusion (19)

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<td>86.10 and 95.10</td>
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<td>Equate fibre optic channel with link segment</td>
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<td>05-Nov-15</td>
<td>Management enumeration of PHY types</td>
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<td>19-Nov-15</td>
<td>Clarify definition of STP</td>
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<td>Indicate FlexE uses O code 0x5</td>
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<td>1305</td>
<td>802.3bp-2016</td>
<td>97.9.1</td>
<td>05-Apr-17</td>
<td>General safety requirements</td>
</tr>
</tbody>
</table>
Revision draft motion

- Motion #5: Charter the editor to submit a draft for WG preview consisting of Draft 1.0 as described on slide 27 of healey_1_0517.pdf and the maintenance requests listed on slide 29 of healey_1_0517.pdf.
  - M: R. Grow  S: N. Wienckowski
  - Technical >= 75%
  - Passes by voice vote without opposition
Future meetings

• Week of 10 July 2017
  – Berlin, Germany
Adjourn
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: XXXXXXXXX

- IEEE 802.3 Maintenance reflector
  - stds-802-3-maint@ieee.org