

IEEE 802.3 Maintenance Task Force

14 November 2018

Bangkok, Thailand

Adam Healey
Chair, IEEE 802.3 Maintenance TF
Vice Chair, IEEE 802.3 Ethernet WG

Agenda

- Introductions
- Review and approve agenda
- Approve minutes
- Patent policy
- Participation in IEEE 802 Meetings
- Attendance procedures
- Review status of open maintenance requests
- Review new maintenance requests
- Liaison letter from the MEF
- Future meetings

Agenda and minutes motions

- Motion #1: Approve the agenda
 - M: M. Hajduczenia S: R. Grow
 - Procedural (> 50%)
 - Passed by voice vote without opposition
- September 2018 minutes were posted 11 September 2018
- Motion #2: Approve the [September 2018](#) minutes
 - M: P. Anslow S: P. Stassar
 - Procedural (> 50%)
 - Passed by voice vote without opposition

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:**
 - 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 IEEE is not aware. Additionally, neither 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 have a duty to inform the IEEE

- Participants 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
- Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

**Early identification of holders of potential
Essential Patent Claims is encouraged**

Ways to inform IEEE

- Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); 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
- **Speak up now and respond to this 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, please respond at this time by providing relevant information to the WG Chair

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 of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.
 - Technical considerations remain the 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.

For more details, see *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and *Antitrust and Competition Policy: What You Need to Know* at <http://standards.ieee.org/develop/policies/antitrust.pdf>

Patent-related information

The patent policy and the procedures used to execute that policy are documented in the:

- ***IEEE-SA Standards Board Bylaws***
(<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>)
- ***IEEE-SA Standards Board Operations Manual***
(<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>)

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**

Participation in IEEE 802 Meetings

Participation in any IEEE 802 meeting (Sponsor, Sponsor subgroup, Working Group, Working Group subgroup, etc.) 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)**
- **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 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.

(Latest revision of IEEE 802 LMSC Working Group Policies and Procedures: <http://www.ieee802.org/devdocs.shtml>)

Attendance procedures

- IEEE Meeting Attendance Tool
 - <http://imat.ieee.org/>
- For more information, please see...
 - http://ieee802.org/3/minutes/attendance_procedures.pdf
- Please sign the attendance sheet for the Task Force meeting minutes

Maintenance request ballot status

- http://www.ieee802.org/3/maint/requests/open_num.html

Maintenance request status

- 4 new requests received since September 2018 meeting
- 25 open maintenance requests
- Current status of open requests
 - Approved 2
 - Balloting 0
 - Ready for ballot 12
 - Awaiting clarification 0
 - Errata 0
 - To be categorized 11

Maintenance requests for consideration

- Deadline for consideration at this meeting was 8 October

No.	Date	Standard	Clause	Subject
1315	21-Aug-18	802.3-2018	Various, see details	Incorrect reference to "IEC 60068-2-1/27/30/38/52/64/78"
1316	29-Aug-18	802.3-2018	66.3.3.6, 77.3.3.6	Undefined variable
1317	29-Aug-18	802.3-2018	77.3.3.6	Incomplete transition condition
1318	29-Aug-18	802.3-2018	60.9.13.2.2, 75.7.15.2	Extraneous parentheses
1319	29-Aug-18	802.3-2018	Various, see details	"Ensuring" vs. "reassuring"
1320	29-Aug-18	802.3-2018	31A	"Maximum" vs. "maximal"
1321	29-Aug-18	802.3-2018	56.1.2	Incorrect cross reference
1322	11-Sep-18	802.3-2018	Various, see details	Incorrect state name referenced
1323	02-Oct-18	802.3-2018	22	Incorrect PICS item
1324	15-Oct-18	802.3-2018	45	Typo in Table 45-155
1325	06-Nov-18	802.3-2018	45.2.3.7	Incorrect description in Table 45-181

Maintenance request 1315

- Expand references to “IEC 60068-2-1/27/30/38/52/64/78” to a list of references to the individual standards
- E.g., IEC 60068-2-1, IEC60068-2-27
- In scope: Yes/~~No~~
- Errata: ~~Yes~~/No
- Complete: Yes/~~No~~
- Propose to set status to “Ready for ballot”

Maintenance request 1316

- In 64.3.3.6 and 77.3.36, the state diagram variable flags_rx is not defined
- The variable is also referred to as flag_rx
- Add definition for flags_rx and change all occurrences of flag_rx to flags_rx
- In scope: Yes/~~No~~
- Errata: ~~Yes~~/No
- Complete: Yes/~~No~~
- Request submitter to change “This variable holds an value...” to “This variable holds the value...” in the definition of rx_flags and resubmit the request

Maintenance request 1317

- In Figure 77-21, transition from the WAIT FOR REGISTER to the REGISTER states includes MA_CONTROL.request primitive
- The parameter list for the primitive is incomplete (laserOnTime and laserOffTime are missing)
- Add the missing parameters to that primitive
- In scope: Yes/~~No~~
- Errata: ~~Yes~~/No
- Complete: Yes/~~No~~
- Propose to set status to “Ready for ballot”

Maintenance request 1318

- In 60.9.13.2.2 and 75.7.15.2
- “A non-rigorous way to describe this test setup would be ~~(~~using a transmitter with a known T_{on} ~~)~~.”
- ...or...
- Remove the sentence
- In scope: Yes/~~No~~
- Errata: ~~Yes~~/No
- Complete: ~~Yes~~/No
- Return to the submitter with the request the specific revision text (either option but not both) be provided

Maintenance request 1319

- Change “...**reassuring** conformance to within...” to “...**ensuring** conformance to within...”
- Multiple instances (60.9.13.1.2, 60.9.13.2.2, 65.3.2.1.2, 75.7.15.2)
- In scope: Yes/~~No~~
- Errata: ~~Yes~~/No
- Complete: Yes/~~No~~
- Propose to set status to “Ready for ballot”

Maintenance request 1320

- In Annex 31A, change “Indicates the **maximal** number” to “Indicates the **maximum** number”
- In scope: Yes/~~No~~
- Errata: ~~Yes~~/No
- Complete: Yes/~~No~~
- Propose to set status to “Ready for ballot”

Maintenance request 1321

- In 56.1.2, “The P2MP PHYs for the 10/10G-EPON use the 10GBASE-PR PCS and PMA (see Clause **75**).”
- The 10GBASE-PR PCS and PMA is defined in Clause **76**
- Change the reference accordingly
- In scope: Yes/~~No~~
- Errata: ~~Yes~~/No
- Complete: Yes/~~No~~
- Propose to set status to “Ready for ballot”

Maintenance request 1322

- Multiple references to states ERROR_DELAY_SHORT and ERROR_DELAY_OVER in Clause 30 and Clause 33
- The PSE state diagram (Figure 33-9) only includes an ERROR_DELAY state
- P802.3bt modifications to 30.9.1.1.9 and 30.9.1.1.10 are not considered in the request
 - A portion of the proposed revision text would override the amendment
- Return to submitter and request that P802.3bt amendments to Clause 30 be considered in the proposed revision text

Maintenance request 1323

- Clause 22 PICS item SF18 is incorrect
- It states “TX_ER effect on PHY while operating at 10 Mb/s, or when TX_EN is deasserted” but this is not true for low-power idle
- Change status of SF18 to !LPI
- Insert a new item SF18a to address the case where LPI is supported
- In scope: Yes/~~No~~
- Errata: ~~Yes~~/No
- Complete: Yes/~~No~~
- Propose to set status to “Ready for ballot”

Liaison letter from MEF

[Review letter and proposed response]

Liaison letter motion

- Motion #3: Approve [IEEE 802d3 to MEF 1118 draft.pdf](#) with editorial license granted to the Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to MEF.
 - M: P. Anslow S: R. Grow
 - Technical ($\geq 75\%$)
 - Passed by voice vote without opposition

Future meetings

- Week of 14 January 2019
 - Long Beach, CA USA
- See <http://www.ieee802.org/3/interims/index.html>

Adjourn