IEEE 802.3 Maintenance Task Force
17 July 2019
Vienna, Austria

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

Agenda

- Introductions

- Review and approve agenda

- Approve minutes

- Guidelines for IEEE-SA Meetings

- Participation in IEEE 802 Meetings

- Attendance procedures

- Review open maintenance requests

- Respond to comments on proposed P802.3cv PAR

- Future meetings

Agenda and minutes motions

- Motion #1: Approve the agenda
    - M: M. Hajduczenia   S: M. Laubach
    - Procedural (> 50%)
    - Passed by voice without opposition

- May 2019 minutes were posted 20 May 2019

- Motion #2: Approve the May 2019 minutes
    - M: C. Knittle   S: M. Hajduczenia
    - Procedural (> 50%)
    - Passed by voice without opposition

Guidelines for IEEE-SA 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

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org

◆IEEE

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 status

- 1 new request received since May 2019 meeting

- Deadline for consideration was 10 June

- 42 open maintenance requests

- Current status of open requests
  - Approved   0
  - Balloting   11
  - Ready for ballot   25
  - Awaiting clarification   0
  - Errata   0
  - To be categorized   6

- Also see http://www.ieee802.org/3/maint/requests/open_num.htm

Maintenance requests to be categorized

No.	Date	Standard	Clause	Subject
1337	08-Feb-19	802.3-2018	Various, see details	Move P2MP (and related clauses) into own standard
1342	18-Apr-19	802.3-2018	45	Allocate missing MDIO ability bits
1343	29-Apr-19	802.3-2018	97.3.6	Some messages should be variables
1344	05-May-19	802.3-2018	99.4.6	Incorrect primitive name
1345	10-May-19	802.3-2018	45.2.1.191.1	Incorrect register number
1346	11-Jun-19	802.3-2018	Various, see details	Number format definition

For consideration this week

Maintenance request 1337

- Separate point-to-multipoint into its own standard within the IEEE 802.3 family, e.g., "IEEE Std 802.3.n Standard for Multiport Access Ethernet"

- In scope: Yes/No (?)

- Errata: ~~Yes~~/<u>No</u>

- Complete: ~~Yes~~/No

- The request does not propose specific revision text ("TBD").

- Remains marked as "Received" until proposed text is provided and a more sufficiently clear IEEE 802.3 procedure to move forward is provided

Maintenance request 1342

- IEEE Std 802.3cd-2018 adds new PMDs but did not allocate MDIO ability bits for them
  - 100GBASE-[S, C, K]R2, 100GBASE-DR, and 200GBASE-[S, C, K]R4
- Allocate the bits for these PMDs (proposed assignments are listed in the request)
- In scope: <u>Yes</u>/~~No~~
- Errata: ~~Yes~~/<u>No</u>
- Complete: <u>Yes</u>/~~No~~
- Change status to "Ready for ballot" and forward to P802.3cn for consideration

Maintenance request 1343

- In 97.3.6, RX_AGGREGATE, RX_FRAME, and TX_AGGREGATE are defined as messages but they are variables internal to the PCS

- Change all instances of RX_AGGREGATE, RX_FRAME, and TX_AGGREGATE to rx_aggregate, rx_frame, and tx_aggregate respectively

- Move definitions from 97.3.6.3 Messages to 97.3.6.2.2 Variables and modify them as stated in the request.

- In scope: <u>Yes</u>/~~No~~

- Errata: ~~Yes~~/<u>No</u>

- Complete: <u>Yes</u>/~~No~~

- Change status to "Ready for ballot"

Maintenance request 1344

- Proposes to change 99.4.6 as follows

  ... the Express filter ~~passes the RS PLS_DATA.request~~issues ePLS_DATA.indications to the eMAC ...

- The actual issue seems to be that "RS PLS_DATA.request" should be "RS PLS_DATA.indication"

- The proposed text loses the fact that ePLS_DATA.indication convey values received via RS PLS_DATA.indication

- In scope: <u>Yes</u>/~~No~~

- Errata: ~~Yes~~/<u>No</u>

- Complete: <u>Yes</u>/~~No~~

- Ask the submitter to consider updating the request to only change "RS PLS_DATA.request" to "RS PLS_DATA.indication"

Maintenance request 1345

- Typos in 45.2.1.191.1
  - Incorrect register number: 1.2307.15:13 should be 1.2308.15:13
  - Bits 15:13 are "RO" and should be "R/W" (they are control bits)
- In scope: <u>Yes</u>/~~No~~
- Errata: ~~Yes~~/<u>No</u>
- Complete: <u>Yes</u>/~~No~~
- Change status to "Ready for ballot"

In addition…

- It has been suggested that MR 1332 be implemented in the P802.3cm draft

- It will be forwarded to P802.3cm for consideration

Respond to comments on proposed P802.3cv PAR

[1 comment]

802.3cv - Amendment - Maintenance #15: Power over Ethernet, PAR

Scope should be in present tense:

Change: "This project will implement editorial and technical corrections, refinements, and clarifications to Clause 145, Power over Ethernet, and related portions of the standard. No new features will be added by this project."

To

"This project implements editorial and technical corrections, refinements, and clarifications to Clause 145, Power over Ethernet, and related portions of the standard. No new features are added by this project".

Report   Slide 7   Jon Rosdahl (Qualcomm)

– Accept

Maintenance PAR motion

- Motion #3: Approve the IEEE P802.3cv Clause 145 Maintenance PAR in http://www.ieee802.org/3/maint/public/P802_3cv_PAR_draft_0719.pdf.
  - M: C. Jones   S: R. Grow
  - Technical ($\geq$ 75%)
  - Passed by voice without opposition

Future meetings

- Week of 9 September 2019
  - Indianapolis, IN USA
- See http://www.ieee802.org/3/interims/index.html

Adjourn

IEEE 802.3 Maintenance Task Force - July 2019