

IEEE 802.3 Maintenance Task Force

20 May 2019

Salt Lake City, UT USA

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
- Responses to comments from ISO/IEC JTC 1/SC 6 ballots
- Draft(s) to ISO/IEC JTC 1/SC 6 for preview
- Clause 145 Maintenance PAR
- Future meetings

Agenda and minutes motions

- Motion #1: Approve the agenda
 - M: R. Grow S: M. Hajduczenia
 - Procedural (> 50%)
 - Passed by voice without opposition
- March 2019 minutes were posted 14 March 2019
- Motion #2: Approve the [March 2019](#) minutes
 - M: J. Lewis S: D. Law
 - 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

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/>
 - Session access code: **XXXXXXXXXX**
- 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

- 6 new requests received since March 2019 meeting
- Deadline for consideration at this meeting was 15 April
- 41 open maintenance requests
- Current status of open requests
 - Approved 0
 - Balloting 0
 - Ready for ballot 31
 - Awaiting clarification 0
 - Errata 0
 - To be categorized 10
- Also see http://www.ieee802.org/3/maint/requests/open_num.htm

Maintenance requests to be categorized

No.	Date	Standard	Clause	Subject
1327	08-Jan-19	802.3-2018	45.2.3.75	Redundant "shall"
1337	08-Feb-19	802.3-2018	Various, see details	Move P2MP (and related clauses) into own standard
1338	09-Feb-19	802.3-2018	Figure 2-2	Change "PHY" to "Physical Layer"
1339	19-Feb-19	802.3-2018	1.5	Incorrect expansion of abbreviation
1340	14-Mar-19	802.3-2018	4A.3.2	Stray cross-reference tag
1341	28-Mar-19	802.3cd-2018	138.5.4	Typo in PHY name
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

For consideration this week

Maintenance request 1327

- In 45.2.3.75, remove the sentence “Register 3.2313.15 shall be cleared when register 3.2317 is read.”
- The rationale is that this requirement also stated in Table 45-243 and 45.2.3.74.1 where this bit is defined.
- There are actually three locations where this requirement is defined with associated PICS items (RM134, RM135, RM136).
- Sometimes 3.2313.15 is referred to as a “bit” and sometimes as a “register” (it is a bit) It seems more changes are required to remedy this issue.

Maintenance request 1327 cont'd

- Updated request that addresses all of these issues has been received.
- In scope: Yes/~~No~~
- Errata: ~~Yes~~/No
- Complete: Yes/~~No~~
- Mark status as “Ready for ballot”

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~~/No
- Complete: ~~Yes~~/No
- The request does not propose specific revision text (“TBD”).
- Mark as “Received” until proposed text is provided and a more sufficiently clear IEEE 802.3 procedure to move forward is provided.

Maintenance request 1338

- In Figure 2-1, use of the term “PHY” is inconsistent with the IEEE 802.3 definition
 - “PHY” is “Physical Layer entity” which is the portion of the Physical Layer between the MII and MDI (see 1.5 and 1.4.391)
- Change “PHY” to “Physical Layer”
- Note that the requests refers to Figure 2-2 which does not exist.
- In scope: Yes/~~No~~
- Errata: ~~Yes~~/No
- Complete: Yes/~~No~~
- Mark status as “Ready for ballot”

Maintenance request 1339

- Abbreviation for “MAC” expanded incorrectly in 1.5 (does not agree with Clause 4 or predominant usage in the standard)
“MAC ~~medium~~media access control”
- Request also notes occurrences of “medium access control” in 115.1.3, 127.1.3, and 129.3 should be changed for consistency
- In scope: Yes/~~No~~
- Errata: ~~Yes~~/No
- Complete: Yes/~~No~~
- Mark status as “Ready for ballot”

Maintenance request 1340

- Stray cross-reference tag.
“The state machines in 4A.3.2 follow the conventions in ~~<XREF>~~21.5.”
- In scope: Yes/~~No~~
- Errata: ~~Yes~~/No
- Complete: Yes/~~No~~
- Mark status as “Ready for ballot”

Maintenance request 1341

- Typo in PHY name: “100GBSE-SR2” should be “100GBASE-SR2”
- In scope: Yes/~~No~~
- Errata: ~~Yes~~/No
- Complete: Yes/~~No~~
- Mark status as “Ready for ballot”

Responses to comments from ISO/IEC JTC 1/SC 6 ballots

[Review liaison letter and motion]

Comment responses to ISO/IEC motion

- Motion #3:
Approve [IEEE 802d3 to ISOIEC JTC1 SC6 0519 1 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 ISO/IEC JTC 1/SC 6.
 - M: J. Lewis S: N. Wienckowski
 - Technical ($\geq 75\%$)
 - Passed by voice without opposition

Draft to ISO/IEC JTC 1/SC 6 for preview

[Review liaison letter and motion]

Draft to ISO/IEC motion

- Motion #4:
Approve [IEEE 802d3 to ISOIEC JTC1 SC6 0519 2 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 ISO/IEC JTC 1/SC 6.
 - M: J. Lewis S: G. Zimmerman
 - Technical ($\geq 75\%$)
 - Passed by voice without opposition

Clause 145 Maintenance PAR

[Review proposed PAR responses]

Maintenance PAR motion

- Motion #5: Approve the IEEE P802.3cv Clause 145 Maintenance PAR in
http://www.ieee802.org/3/maint/public/P802_3cv_PAR_draft.pdf.
 - M: C. Jones S: N. Wienckowski
 - Technical ($\geq 75\%$)
 - Passed by voice without opposition

Future meetings

- Week of 15 July 2019
 - Vienna, Austria
- See <http://www.ieee802.org/3/interims/index.html>

Adjourn