IEEE 802.3 Maintenance Task Force
17th July 2014
San Diego, CA

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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 plan proposal

- Submission of drafts to ISO/IEC JTC1 SC6

- Liaison reply to ITU-T SG15

- IEEE 802.3 Maintenance web site

This weeks activities

- Considered 3 revision requests

1259	In 76.3.3.6, incorrect cross-reference to Figure 49-15 (it should be Figure 49-17)
1260	In 76.3.2.2, incorrect cross-reference to Figure 49-14 (it should be Figure 49-16)
1261	In IEEE Std 802.3bj-2014, there is a vestigial transition arrow labelled "B" into the "RX_LINK_FAIL" state (Figure 82-17)

- 1259 and 1260 assigned status "Ready for Ballot"

- 1261 determined to be an editorial changes that can be corrected during preparation for publication
  - Another editorial change was also identified for Table 45-15a

Revision request status

- 23 open revision requests

- Current status of open requests
    - Approved 0 * (1) **
    - Ready for ballot 16 (15)
    - Balloting 2 (4)
    - To be categorized 5 (3)

*   As shown on the maintenance web site
** Reflects pending updates

IEEE 802.3 revision plan proposal

IEEE Std 802.3 Revision

IEEE-SA Standards Board Operations Manual

(Approved by the IEEE-SA Standards Board December 2013)

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**

Considerations for the revision plan

- Collated [estimated] schedules for current and possible projects

- After P802.3bm, no amendment(s) expected to begin Sponsor ballot until later in 2015

- There is a [tight] window to do an amendment project with a [hopefully] small disruption to expected project schedules

Proposed IEEE 802.3 Revision Plan

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

No Sponsor ballots for amendments

WG approve PAR
EC approve PAR

WG-r1

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"

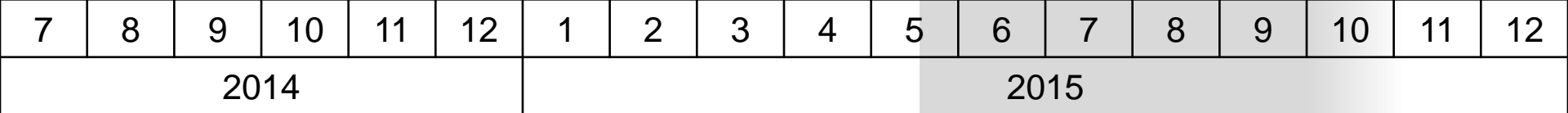IEEE P802.3bm SB-r2

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

IEEE P802.3bm SB-r4?

Conditional approval
SB-r1

SASB approve PAR?

SASB approval

SASB approval

7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12
2014						2015											

Proposed IEEE 802.3 Revision PAR

- The PAR form is completed on-line in thought the myProject system. Many of the PAR question are proforma and are automatically completed by selecting a IEEE 802.3 revision project. These items include sponsor and the Working Group officers.

- These slides therefore provides the major items from the PAR form to assist in consensus building leading up to approving a completed draft PAR form.

PAR item 2.1 – Project title

Project title: **Standard for Ethernet**

PAR items 4.2 and 4.3 – Project dates

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: **05/2015**

4.3 Projected Completion Date for Submittal to RevCom: **10/2015**

PAR item 5.2 – Scope

5.2 Scope: **This standard defines Ethernet local area, access and metropolitan area networks. Ethernet is specified at selected speeds of operation; and uses a common media access control (MAC) specification and management information base (MIB). The Carrier Sense Multiple Access with Collision Detection (CSMA/CD) MAC protocol specifies shared medium (half duplex) operation, as well as full duplex operation. Speed specific Media Independent Interfaces (MIIs) provide an architectural and optional implementation interface to selected Physical Layer entities (PHY). The Physical Layer encodes frames for transmission and decodes received frames with the modulation specified for the speed of operation, transmission medium and supported link length. Other specified capabilities include: control and management protocols, and the provision of power over selected twisted pair PHY types.**

PAR item 5.3 – Project contingency

5.3 Is the completion of this standard dependent upon the completion of another standard: **No**

PAR item 5.4 – Purpose

5.4 Purpose: **This document will not include a purpose clause**

PAR item 5.5 – Need for the Project

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.**

PAR item 5.6 – Stakeholders

5.6 Stakeholders for the Standard: **Ethernet is pervasive, with a consequent pervasive set of stakeholders. This includes and is not limited to: component providers (e.g., optical transceivers, cabling and integrated circuit), system product providers (e.g., switch and NIC), network providers (e.g. installers, network support), bandwidth providers (e.g., carriers), software providers (e.g., network management), providers of network powered or powering devices, and the users of any of these products or services.**

Revision PAR TF Motion

- Motion #3: Approve the IEEE P802.3 Revision PAR "P802_3_PAR_Draft_1_0714"
  - M: M. Hajduczenia   S: V. Maguire
  - Technical (>= 75%)
  - Y: 7, N: 0, A: 0
  - Motion PASSES

WG Motion

- Approve the IEEE P802.3 Revision PAR "P802_3_PAR_Draft_1_0714"
  - M: A. Healey on behalf of the Maintenance Task Force
  - Technical (>= 75%)
  - Y: XX, N: XX, A: XX
  - Motion PASSES/FAILS

ISO/IEC JTC1 SC6

- It has been proposed that IEEE Std 802.3.1-2013 be submitted to ISO/IEC JTC1/SC6 for approval per the PSDO agreement

- Submission of approved amendments (or amendments in Sponsor ballot) obviated by revision project
  - Plan to submit revision draft for comment when Sponsor ballot initiated

ISO/IEC JTC1 SC6 TF Motion

- Motion #4: Submit IEEE Std 802.3.1-2013 to ISO/IEC JTC 1/SC 6 for ratification under the PSDO agreement
  - M: H. Frazier   S: M. Hajduczenia
  - Technical (>= 75%)
  - Y: 5, N: 0, A: 1
  - Motion PASSES

WG Motion

- Submit IEEE Std 802.3.1-2013 to ISO/IEC JTC 1/SC 6 for ratification under the PSDO agreement
  - M: A. Healey on behalf of the Maintenance Task Force
  - Technical (>= 75%)
  - Y: XX, N: XX, A: XX
  - Motion PASSES/FAILS

Liaison reply TF motion

- Motion #5: Approve "healey_2_0714.pdf" as the basis for the response to the ITU-T SG15 Q14/15 liaison statement regarding "Generic Information Model for management of transport NE".
  - M: H. Frazier   S: G. Thompson
  - Technical (>= 75%)
  - Y: 5, N: 0, A: 1
  - Motion PASSES

WG Motion

- Approve "healey_2_0714.pdf" with editorial license granted to the chair (or his appointed agent) as a liaison communication to ITU-T SG15 Q14/15
  - M: A. Healey, S: ???
  - 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

  - http://www.ieee802.org/3/private/maint/revision_request.html
  - Username: XXXX
  - Password: XXXXXXX

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