IEEE 802.3 Maintenance Task Force
9th March 2015
Berlin, Germany

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

Agenda

- Introduction
- Review patent slides
- Review and approve agenda
- Approve minutes
- Review status of open revision requests
- IEEE P802.3 ballot results
- IEEE P802.3/D2.1 comment resolution
- Review revision plan
- Review new revision requests
- Any other business
- Future meetings

IEEE P802.3 (Revision) editorial team

Pete Anslow	Section 4 and Section 6 editor
Marek Hajduczenia	Section 5 editor
Adam Healey	Section 2 and Section 3 editor, Editor-in-chief
Valerie Maguire	Section 1 editor

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 12 and 12a 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.

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(Optional to be shown)

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**
        - **"Personal awareness" means that the participant "is personally aware that the holder may have a potential Essential Patent Claim," even if the participant is not personally aware of the specific patents or patent claims**
    - **"Should inform the IEEE (or cause the IEEE to be informed)" of the identity of "any other holders of such 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**

25 March 2008 (updated January 2012)

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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

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 or visit http://standards.ieee.org/about/sasb/patcom/index.html

This slide set is available at https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt

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25 March 2008 (updated January 2012)

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

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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.

Agenda and Minutes Motions

- Motion #1: Approve the agenda
  - M: B. Booth   S: P. Anslow
  - Passes by voice vote without opposition

- Motion #2: Approve the January 2015 minutes
  - M: P. Anslow   S: G. Zimmerman
  - Passes by voice vote with one abstention

Attendance

- Please sign the attendance sheet for the Task Force meeting minutes

Revision request ballot status

#	Jan-15	Mar-15	Target project	Update
1238	B	V	Revision	
1239	B	V	Revision	
1242	V	A	P802.3bm	IEEE Std 802.3bm-2015 approved!
1243	B	V	Revision	
1244	V	A	P802.3bm	IEEE Std 802.3bm-2015 approved!
1246	V	A	P802.3bm	IEEE Std 802.3bm-2015 approved!
1247	B	V	Revision	
1249	B	V	Revision	
1250	B	V	Revision	
1251	B	V	Revision	
1252	V	A	P802.3bm	IEEE Std 802.3bm-2015 approved!

Revision request ballot status cont'd

#	Jan-15	Mar-15	Target project	Update
1253	V	V	Revision	
1254	V	V	Revision	
1255	V	V	Revision	
1256	V	V	Revision	
1257	V	V	Revision	
1258	V	V	Revision	
1259	V	V	Revision	
1260	V	V	Revision	
1262	V	V	Revision	
1265	V	V	Revision	
1266	R	R	P802.3bq	
1267	V	V	Revision	Initial Working Group ballot comment #37

Revision request ballot status cont'd

#	Jan-15	Mar-15	Target project	Update
1268	V	V	Revision	Initial Working Group ballot comment #38
1269	V	V	Revision	Initial Working Group ballot comment #39
1270	V	V	Revision	Initial Working Group ballot comment #47
1271	B	B	P802.3bt	

New revision requests

- ## 5 new requests since January 2015 interim
  - Deadline for consideration was 2 February 2015

1272	21-Jan-15	802.3-2012	Various	Define jumbo frames and cut-through behavior
1273	09-Feb-15	802.3-2012	33	Definition of power interface (PI)
1274	09-Feb-15	802.3-2012	33	"Voltage" or "common-mode voltage"
1275	15-Feb-15	802.3bj-2014	Table 93A-2	Add reference to 100GBASE-CR4
1276	20-Feb-15	802.3-2012	Frontmatter	Define "PoE"

Revision request status summary

- 32 open maintenance requests
    - Approved   4
    - Balloting   21
    - Ready for ballot   1
    - Awaiting clarification   0
    - Errata   0
    - To be categorised   6

Ballot results

- ## IEEE P802.3/D2.1 first recirculation ballot
  - Opened 7 February 2015
  - Closed 21 February 2015

	D2.0				D2.1			
	Count	%		Status	Count			Status
		Actual	Req'd			Actual	Req'd	
Abstain	32	20.00	< 30	PASS	33	20.12	< 30	PASS
Disapprove	7	-	-	-	3**	-	-	-
Disapprove w/o comment	0	-	-	-	-	-	-	-
Approve	121	94.53	≥ 75	PASS	128	97.71	≥ 75	PASS
Ballots returned	160	59.93	>50	PASS	164	61.42	>50	PASS
Voters	267	-	-	-	267	-	-	-
Comments	85*	-	-	-	3	-	-	-

* Includes 7 comments received after ballot closed.

** 1 voter changed vote to approve after ballot closed

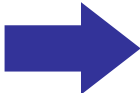# IEEE P802.3/D2.1 comment resolution

Comment resolution motion

- Motion #3: Approve the responses to comments recorded in P8023-D2p1-Comments-Final_byID.pdf

- M: V. Maguire   S: P. Cibula
- Technical (>= 75%)
- Y: 6, N: 0, A: 1
- MOTION PASSES

Revision motion

- Motion #4: Request IEEE 802.3 Working group to progress IEEE P802.3 Draft 3.0 to Sponsor ballot and authorize the IEEE P802.3 (IEEE 802.3bx) Task Force to respond to comments and conduct recirculations as necessary

- M: B. Booth   S: P. Anslow
- Technical (>= 75%)
- Y: 10, N: 0, A: 0
- MOTION PASSES

Draft 3.0 is Draft 2.1 with appropriate changes to the front-matter and removal of editors' notes and change marks corresponding to the implementation of maintenance requests.

Liaison letter to ISO/IEC JTC1 SC6

Liaison motion

- Motion #5: Approve the text in "IEEE_802d3_to_ISOIEC_JTC1_SC6_0315_draft", with editorial license granted to the IEEE 802.3 Working Group chair (or his appointed agent), as a liaison communication to ISO/IEC JTC 1/SC 6

- M: P. Anslow S: B. Grow
- Technical (>= 75%)
- Y: 10, N: 0, A: 0
- MOTION PASSES

Proposed revision schedule

11/8/2014	WB opens
12/11/2014	WB closes
12/23/2014	Ad hoc teleconference #1
1/8/2015	Ad hoc teleconference #2
1/14/2015	Maintenance TF meeting
2/9/2015	WB-r1 opens
2/972015	P802.3bm approved
2/21/2015	WB-r1 closes
→ 3/9/2015	Maintenance TF meeting
3/13/2015	Conditional? SB approval
3/16/2015	WB-r2 opens
3/31/2015	WB-r2 closes

4/2/2015	Maintenance TF meeting (if needed)
4/8/2015	SB opens
5/8/2015	SB closes
5/20/2015	Maintenance TF meeting
6/1/2015	SB-r1 opens
6/16/2015	SB-r1 closes
6/18/2015	Maintenance TF meeting (if needed)
6/23/2015	SB-r2 opens
7/8/2015	SB-r2 closes
7/17/2015	RevCom submittal
8/28/2015	P802.3 approved!?!

Revision request 1272

- Revise IEEE Std 802.3 to properly describe, architect, and define jumbo frames and cut-through behavior.

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

  - It is a request for new features

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

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

  - No specific revision text is provided

MR 1272 Motion

- Motion #6: Reject revision request 1272 as beyond the scope of maintenance because it is a request for new features
  - M: G. Thompson   S: B. Grow
  - Technical (>= 75%)
  - Y: 11, N: 0, A: 0
  - Motion PASSES

Revision request 1273

- Proposed to modify text in 33.1.3 describing the power interface (PI)

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

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

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

- Set status to "ready for ballot" and forward to P802.3bt for consideration

Revision request 1274

- Suggests there is ambiguity in the definition (33.3.1) of the voltage that shall be withstood without damage

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

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

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

- Set status to "ready for ballot" and forward to P802.3bt for consideration

Future meetings

- 8th April 2015
  - Durham, NH USA
  - Hosted by UNH InterOperability Lab
  - Contingent on additional recirculation ballot/comments

- 21st and 22nd May 2015
  - Pittsburg, PA USA
  - Hosted by the Ethernet Alliance

Adjourn

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: XXXXX
  - Password: XXXXXXX

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

Revision project web and reflector

- IEEE P802.3 (IEEE 802.3bx) Task Force web site
  - http://www.ieee802.org/3/bx/

- IEEE P802.3 (IEEE 802.3bx) Task Force private area
  - http://ieee802.org/3/private/maint/bxballot/index.html
  - Username: XXXX
  - Password: XXXXXXX

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