



IEEE 802.3 Maintenance Task Force
8th September 2014
Ottawa, Ontario, CANADA

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
- Consider new revision requests
- IEEE 802.3 revision plan
- ISO/IEC JTC1 SC6
- Any other business
- Future meetings

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.



25 March 2008 (updated January 2012)

(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

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>

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

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: M. Hajduczenia S: A. Ran
 - Passes by voice vote without opposition

- Motion #2: Approve the July 2014 minutes
 - M: M. Hajduczenia S: D. Law
 - Passes by voice vote without opposition

Attendance

- 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

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Revision request ballot status

#	Jul-14	Sep-14	Target project	Update
1238	B	B	Revision	
1239	B	B	Revision	
1242	V	V	P802.3bm	Initial LMSC Sponsor Ballot comment i-21
1243	B	B	Revision	
1244	V	V	P802.3bm	Initial LMSC Sponsor Ballot comment i-22
1246	V	V	P802.3bm	Initial LMSC Sponsor Ballot comment i-23
1247	B	B	Revision	
1248	A	P	P802.3bj	IEEE Std 802.3bj-2014 published 3 rd September 2014
1249	B	B	Revision	
1250	B	B	Revision	
1251	B	B	Revision	
1252	V	V	P802.3bm	Initial Working Group Ballot comment #31

Revision request ballot status cont'd

#	Jul-14	Sep-14	Target project	Update
1253	B	B	Revision	
1254	B	B	Revision	
1255	B	B	Revision	
1256	B	B	Revision	
1257	B	B	Revision	
1258	B	B	Revision	
1259	B	B	Revision	
1260	B	B	Revision	
1261	R	P	P802.3bj	IEEE Std 802.3bj-2014 published 3 rd September 2014

New revision requests

- The deadline for consideration at this meeting was 4th August 2014

1262	01-Jul-14	802.3-2012	1.3	Normative references grammar
1263	02-Jul-14	802.3-2012	49	Encoding small inter-packet gaps
1264	25-Jul-14	802.3-2012	28C.13	Next page flag
1265	31-Jul-14	802.3-2012	46.4.2 and 46.4.3	Organization of 46.4
1266	05-Aug-14	802.3-2012	55.3.4	Remove 10GBASE-T periodic training sequence
1267	05-Sep-14	802.3-2012	72.10.4.4	CF7 missing Status/Support

Revision request status summary

- 27* (25**) open revision requests
- Current status of open requests
 - Approved 1 * (0) **
 - Ready for ballot 15 (15)
 - Balloting 4 (4)
 - To be categorized 7 (6)

* As shown on the maintenance web site

** Reflects pending updates

Revision request 1262

- In 1.3 (page 9), revise footnote 2 to read:
ANSI publications are available from the American National Standards Institute (<http://www.ansi.org>).
- In scope: Yes / ~~No~~
- Errata: ~~Yes~~ / No
- Complete: Yes / ~~No~~
- Propose change status to “Ready for Ballot” and target the next revision

Revision request 1263

- Add encodings to Figure 49-7 that represent “illegal” inter-packet gaps
- This is a new feature request
- In scope: ~~Yes~~ / No
- Errata: ~~Yes~~ / No
- Complete: Yes / ~~No~~
- Propose to keep status “Received” and consider at next meeting

Revision request 1264

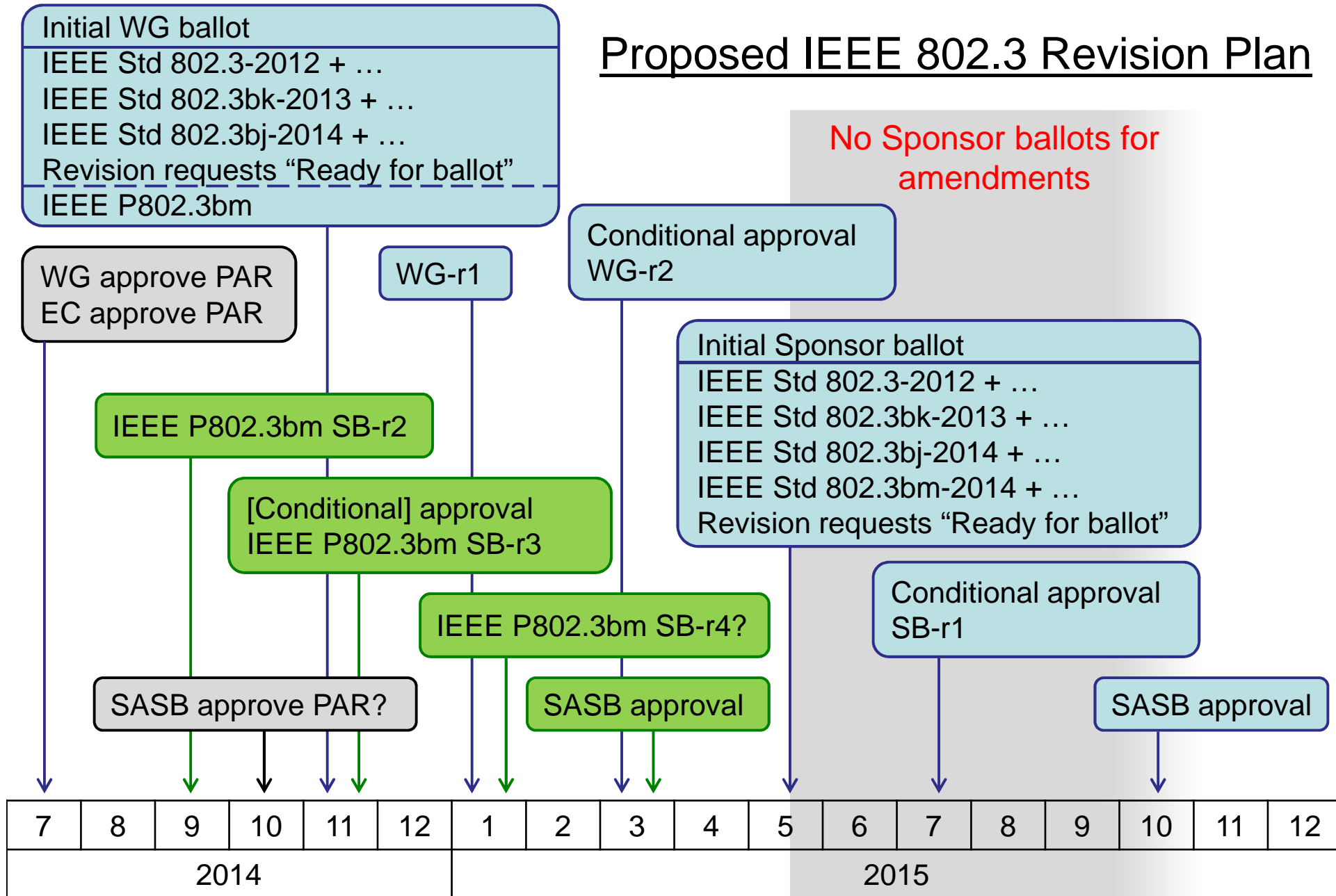
- In Annex 28C.13, correct two typos and...
- Change the last sentence to read...
~~If the~~The Next Page flag ~~is~~shall be set, and the message page shall be followed by an unformatted Extended Next Page containing user-defined data.
- In scope: Yes / No
- Errata: ~~Yes~~ / No
- Complete: Yes / ~~No~~
- While the typos need to be corrected, this appears to be a new requirement (existing implementations that send all of the user-defined data in bits U31-U24 would become non-compliant). Discuss with the submitter and leave status as “Received.”

Revision request 1265

- Incorrect reference to Figure 46-11 (should be 46-13)
- Move Figure 46-13 to be closer to the subclause that references it
- Heading hierarchy is jumbled
- In scope: Yes / ~~No~~
- Errata: ~~Yes~~ / No
- Complete: Yes / ~~No~~
- Propose change status to “Ready for Ballot” and target the next revision

IEEE 802.3 revision plan

Proposed IEEE 802.3 Revision Plan



Progress toward plan

- Revision PAR approved by WG and LMSC EC during the July 2014 plenary week
- Revision PAR to be considered by NesCom during 9th October meeting
 - IEEE-SA Standards Board 10-day e-mail ballot would follow
- Staff has provided a draft edition of IEEE Std 802.3 for consideration
 - Includes IEEE Std 802.3bk-2013 and IEEE Std 802.3bj-2014
- Revision draft must be made available for preview by 27th October

Next steps

- Should the revision PAR be approved...
- Which revision requests should be included in draft?
 - Marked ready for ballot and targeting the revision
- IEEE P802.3bm appears to be substantially complete
 - Consider folding in IEEE P802.3bm/D3.2 into the first draft

Revision Draft Motion

- Motion #3: Charter the editor to submit a draft for Working Group preview, contingent on the approval of the P802.3 Revision PAR, that includes:
 - IEEE Std 802.3-2012
 - IEEE Std 802.3bk-2013
 - IEEE Std 802.3bj-2014
 - Revision requests with status “Ready for Ballot”
 - The most recent draft of IEEE P802.3bm
 - M: M. Hajduczenia S: V. Maguire
 - Technical ($\geq 75\%$)
 - Y: 5, N: 0, A: 0
 - Motion PASSES

ISO/IEC JTC1 SC6

- IEEE Std 802.3.1-2013 submitted to ISO/IEC JTC 1/SC 6 for ratification under the PSDO agreement

Future meetings

- Week of 3rd November 2014
 - San Antonio, TX, USA

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