



IEEE 802.3 Maintenance Task Force
20th January 2014
Indian Wells, CA, USA

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 maintenance minutes
- Maintenance request status
 - Ballot status
 - MRs 1251, 1252, and 1253
 - “Legacy” MR (1195)
- Forwarding drafts to ISO/IEC JTC1 SC6
- New clause numbers
- 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.



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: Barrass S: Hajduczenia
 - Passes by voice vote without opposition

- Motion #2: Approve the November 2013 minutes
 - M: Grow S: Thompson
 - Passes by voice vote without opposition

Attendance

- IEEE Meeting Attendance Tool
 - <http://imat.ieee.org/>
- For more information, please see...
 - http://www.ieee802.org/3/minutes/nov13/1113_imat.pdf
- Please sign the attendance sheet for the Task Force meeting minutes

Maintenance Request Status

- 16 open maintenance requests
 - Includes one “legacy” MR (1195)
- 2 new requests since November 2013
 - Both received after 16th December deadline
- Current status of open requests
 - Approved 0
 - Balloting 0
 - Ready for ballot 9
 - Awaiting clarification 0
 - Errata 2
 - To be categorised 5

New requests

1252	19-Dec-13	802.3-2012	45.2.1.3	Discontinue use of 22-bit OUI
1253	20-Dec-13	802.3-2012	77	Missing "then" in Figure 77-29

Ballot status

MR	Nov-13	Jan-14	Target project	Update
1238	B		Revision	
1239	B		Revision	
1242	B		P802.3bm?	
1243	B		Revision	
1244	B		P802.3bm?	
1246	B		P802.3bm?	
1247	B		Revision	
1248	R		P802.3bj	Initial LMSC Sponsor Ballot comment #88
1249	B		Revision	
1250	B		Revision	

MR 1251

- 76.3.3.6 title is “66B/64B Decode”
- The code is referred as “64B/66B” throughout the rest of the document
- Change status to “Ready for Ballot”, target next revision

MR 1252 (New, late)

- Do not propagate the use of [only] 22-bits of the OUI for vendor-specific device/package identifiers
 - [OUI (22) | Model number (6) | Revision number (4)]
 - First use in Clause 22, per MMD instances in Clause 45
 - Can be communicated using Auto-Negotiation Next Pages
- 24-bit Company ID's available for vendor identification
 - Without consumption of the MAC address space
- IEEE P802.3bm Initial WG ballot comment #31
 - Response pending input from Maintenance Task Force

Motion #3: Suggest response to comment #31

- Add a note to end of 22.2.4.3.1 and 45.2.1.3
- “NOTE – The use of only 22 bits of the OUI as described here has been deprecated by the IEEE Registration Authority. The definition of vendor specific device identifiers for other applications is expected to use the full 24 bits to accommodate the use of either an OUI or Company ID.”
- M: Booth S: Grow
- Passed by voice without opposition

MR 1253 (New, late)

- Figure 77-29, Gate Processing ONU Programming state diagram
- If-then statement in “PARSE GATE” state missing “then”
- Defer action to March plenary

“Legacy” Maintenance Request

- Pre-date 2008 revision
- No action taken since 2007

1195	19-Oct-07	802.3an-2006	48.2.5	Management function requirements
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Recent actions

MR	Nov-13	Jan-14	Action(s)
1195	R		<ul style="list-style-type: none">• E-mail dialogue initiated 8th November 2013• Most recent message 16th January 2014 (on-going)

ISO/IEC JTC1 SC6

- [Process](#) adopted by IEEE 802 EC March 2013
- IEEE 802 to provide regular status reports to SC6
- IEEE 802 to liaise drafts that will later to submitted for adoption (in parallel with WG or Sponsor ballots)
- IEEE 802.3 submitted IEEE Std 802.3-2012 for adoption
- What's next?

New clause numbers

Project	Clause	Use
P802.3bt	33 (amend)	4PPoE
P802.3bm	95	100GBASE-SR4
P802.3bu	96	1PPoDL
P802.3bp	97	RTPGE PHY
P802.3bq	98	40GBASE-T
P802.3br	99	IET
P802.3bn	100	
	101	
	102	
	103?	

- P802.3bm returned Clause 96
- Adjacent clauses for RTPGE PHY and 1PPoDL
- P802.3bn structure expected to be stable by the time 400G requests assignments

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