# IEEE 802.3 Maintenance Task Force 16th July 2013, Geneva, Switzerland

Wael William Diab

Chair, IEEE 802.3 Maintenance TF

Vice-Chair, IEEE 802.3 Working Group

wdiab@broadcom.com

# Agenda

- Introduction
- Review patent slides
- Review and approve agenda
- Approve maintenance minutes
- Maintenance request status
  - Maintenance requests #1243-1245
- Respond to comment from sending IEEE Std 802.3-2012 to ISO/IEC JTC/1 SC/6
  - May be time specific
- IEEE 802.3 MAUType assignment process
  - May be time specific
- 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 consistent with the ANSI patent policy and 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.
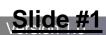
Note: **WG** includes Working Groups, Task Groups, and other standards-developing committees with a PAR approved by the IEEE-SA Standards Board.

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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**

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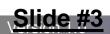
**This slide set is available at https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt**

**25 March 2008 (updated 29 March 2011)**

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# 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
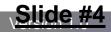
  - Cause an LOA to be submitted

# 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.**

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**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.**

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# Agenda and Minutes Motions

- **Motion to approve the agenda**
  - M: H. Barrass        S: B. Booth
  - Passes by voice vote without opposition

- **Motion to approve the May 2013 minutes**
  - M: A. Ran     S:  B. Booth
  - Passes by voice vote without opposition

# Attendance

- The URL to access the IEEE Meeting Attendance Tool for this meeting is...
  - http://imat.ieee.org/
  - Select 802.3 and log in
- The server is remotely hosted
  - Make sure your VPN is turned off
- Please also sign the attendance sheet for the Task Force meeting minutes

# Maintenance Request Status

- 16 Open Maintenance requests
  - 5 "legacy" MRs
  - Some MRs balloted with open projects
- 3 new requests since May 2013
  - 1243-1245. One received after July deadline
- Current status of open requests:

| | |
|---|---|
| Approved | 0 |
| Balloting | 0 |
| Ready for ballot | 6 |
| Awaiting clarification | 0 |
| Errata | 2 |
| To be categorised | 8 |

**New requests**

| | | | | |
|---|---|---|---|---|
| 1243. | 16-May-13 | 802.3-2012 | 49 | PCS IDLE |
| 1244. | 30-May-13 | 802.3-2012 | 80.4 | Optical cable delay constraints |
| 1245. | 18-Jun-13 | 802.3-2012 | 49.2.13.3.1 | LPI state diagrams |

# Maintenance Request #1243, 1245

- Both comments addressing same issue
- No objection to make the change
- Change state to "ready for ballot"
- As they are redundant, requester for MR 1245 has withdrawn his request

# Maintenance Request #1244

- Statement in 80.4 is ambiguous as to what bit times are being referenced for the delay (10G, 40G or 100G).

- Clause 44.3 is written in 10G bit time delay

- Consensus is to clarify how to scale delay times from 40.3 for 40G and 100G

- Append the following sentence "Multiply BT from 40.3 by 4 for 40 Gb/s operation and by 10 for 100 Gb/s operation". To "See 44.3 for the calculation of bit time per meter of fiber or electrical cable.

- No objection to make the above change

- Change state to "ready for ballot"

# ISO/IEC JTC/1 SC/6 Update

- 60-Day Pre ballot on 802.3-2012 passed 12/1/3
  - "Do you support the submission of this proposal for FDIS ballot?"
  - Comment below submitted by China National Body

China NB thanks for IEEE's contribution of 802.3-2012 (in 6N15595). As always China encourages and supports standard collaboration between IEEE and ISO. However, based on the following reasons, China NB cannot support the three proposals.

IEEE 802.3-2012 does not contain security related standards. As an information network standard, the lack of security protocols is a major concern. The standard is not robust. The standard referenced IEEE 802.1AE, which has security concerns. China NB has made many comments on this issue to SC6 and IEEE as in SC6N15556. However, IEEE has not made any satisfactory attempts to change China's negative vote. Since China's objection to the base/associated standards still stands, we cannot support other standards that rely on previous standards on security.

In addition, China NB also has concerns that the FDIS process is reducing the quality and reputation of ISO/IEC standards. We will bring our concerns to the attention of ISO/IEC central offices.

# Response to China NB Comment

IEEE 802.3 would like to thank China NB for their review and comment on the submission of IEEE Std 802.3-2012 for adoption by ISO/IEC JTC/1 SC/6.

IEEE Std 802.3-2012 is security agnostic allowing the user to run any security protocol.

IEEE Std 802.3-2012 does not rely on IEEE Std 802.1AE. There is no normative reference to IEEE Std 802.1AE.

# Motion

- Move to adopt the response to the China NB comment as captured in diab_1_0713.pdf and respond via an IEEE 802.3 liaison letter. Grant the WG Chair editorial license.

- M: B. Booth

- S: L. Winkel

- Technical (75%)

- 6/0/0

# MAUType Issue Overview

- Made aware of a request for an 802.3 MAUType via 802.1 Vice-Chair for a request coming from IEC

- Added on maintenance agenda for discussion

# MAUType Discussion

- From an 802.3 point of view, the definition of a new PMD is a new PHY

- Existing precedent: IANA considers Ethernet MAUTypes as part of the OID owned by 802.3. All others (including from other SDOs) are not included in the MAUType enumeration

- IEEE 802.3 TLVs rely on the 802.3 operational MAU Type to work

- For IEC proposal
  - Codepoint under IEC OID tree

# Motion to Adjourn

- Move to adjourn
  - M: Peter Cibula    S: D. Law
  - Proc (>50%)
  - Motion passes by voice without opposition

- Adjourned on Tuesday at 2.24pm

# Maintenance Web Information

- IEEE 802.3 Maintenance web site:
  http://www.ieee802.org/3/maint/index.html
- IEEE 802.3 Maintenance request form is available at:
  http://www.ieee802.org/3/private/maint/revision_request.html
- Access information
  Username: ********
  Password: ********
  (Password **is** case sensitive)
- IEEE 802.3 Maintenance reflector
  stds-802-3-maint@ieee.org