IEEE 802.3 Working Group Opening Plenary
16 November 2009

David Law
Chair, IEEE 802.3 Working Group
David_Law@3Com.com

Agenda, voter lists:
http://www.ieee802.org/3/minutes/nov09/index.html

IEEE 802.3 Officers

IEEE 802.3 Chair: David Law (david_law@3com.com)
IEEE 802.3 Vice Chair: Wael Diab (wdiab@broadcom.com)
IEEE 802.3 Exec. Secretary: Steve Carlson (scarlson@ieee.org)
IEEE 802.3 Secretary: Adam Healey (adam.healey@lsi.com)
IEEE 802.3 Treasurer: Brad Booth (bbooth@ieee.org)

IEEE P802.3at DTE Power Enhancements: Mike McCormack (mike_mccormack@ti.com)
IEEE P802.3av 10 Gb/s EPON: Glen Kramer (glen.kramer@teknovus.com)
IEEE P802.3az Energy Efficient Ethernet: Mike Bennett (mjbennett@lbl.gov)
IEEE P802.3ba 40 Gb/s and 100 Gb/s Ethernet: John D'Ambrosia (jdambrosia@ieee.org)

IEEE 802.3 Maintenance: Wael Diab (wdiab@broadcom.com)
  IEEE 802.3 Maintenance request
  IEEE P802.3-2008/Cor 1 (IEEE 802.3bb) Pause Reaction Delay Corrigendum
  IEEE P802.3bc Ethernet Organizationally Specific TLVs

IEEE P802.3bd MAC Control Frame for Priority-based Flow Control
        This project is being undertaken by the IEEE 802.1 DCB Task Group

IEEE P802.3.1 (IEEE 802.3be) Ethernet MIB: Howard Frazier (hfrazier@broadcom.com)

IEEE 802.3 Ethernet Support for the IEEE P802.1AS Time Synchronization Protocol Study Group:
                                        Steve Carlson (scarlson@ieee.org)

Administrative agenda

- Introductions and General announcements
  - Working Group decorum
  - Logistics
- Revise/Approve agenda
  - www.ieee802.org/3/minutes/nov09
- Patent policy / Call for Patents
- General WG Business
  - Approve July 2009 minutes
  - Activities since last plenary meeting
  - Attendance procedures
  - Membership lists
  - Treasurer's Report

WG Decorum

- Press (i.e., anyone reporting publicly on this meeting) are to announce their presence (2008 SASB Op Manual 5.3.3.5)
- Photography or recording by permission only (5.3.3.4)
- Cell phone ringers off
- Wear your badges at all times in meeting areas

Agenda

- Approve agenda

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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25 March 2008

(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:

- "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

  Quoted text excerpted from IEEE-SA Standards Board Bylaws subclause 6.2

- 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/guides/bylaws/sect6-7.html#6

IEEE-SA Standards Board Operations Manual

http://standards.ieee.org/guides/opman/sect6.html#6.3

Material about the patent policy is available at

http://standards.ieee.org/board/pat/pat-material.html

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit http://standards.ieee.org/board/pat/index.html

This slide set is available at http://standards.ieee.org/board/pat/pat-slideset.ppt

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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

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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.

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Minutes

- Approve Minutes
  - July minutes
    - Any corrections, modifications, additions ?

IEEE 802.3 Standards

- IEEE Std 802.3™-2008 (26 Dec 08 / 26 Dec 08)*

  – IEEE Std 802.3av™-2009 (11 Sep 09 / 30 Oct 09)
  – IEEE Std 802.3bc™-2009 (11 Sep 09 / 28 Sep 09)
  – IEEE Std 802.3at™-2009 (11 Sep 09 / 30 Oct 09)

* Available through Get IEEE 802
  http://standards.ieee.org/getieee802/802.3.html

Note: Dates are Approval date / Publication date

Reflectors and WG information

- IEEE 802.3 Working Group (stds-802-3@ieee.org) is a monitored reflector for announcements of WG business
  - Not a general discussion reflector
  - Subscription limited to members and observers
  - Archive is password protected
- IEEE 802 plenary meeting announcements may be received by subscribing to: stds-802-all@ieee.org
- IEEE 802.3 interim meetings are announced on the 802.3 and relevant TF/SG reflector
- IEEE 802.3 TF/SG reflectors are the location for appropriate project related discussion
- Added IEEE 802.3 dialog reflector for non project related discussions
- Reflector subscription
  - Instructions are on the IEEE 802.3 and IEEE 802.3 TF/SG web pages
- Web site
  - www.ieee802.org/3
  - Access information to private areas is announced by Vice Chair, TF/SG Chairs and in WG announcements

Interim meetings held since July

- Chicago, IL, USA 21st through 24th September 2009
  - IEEE P802.3az, Energy Efficient Ethernet Task Force
  - IEEE P802.3ba, 40Gb/s and 100Gb/s Ethernet Task Force
  - IEEE 802.3, Maintenance Task Force
  - IEEE 802.3, Ethernet Support for the IEEE P802.1AS Time Synchronization Protocol Study Group
  - IEEE 802.3.1, Ethernet MIBs Task Force

IEEE 802.3 ballots since July

- Working Group Ballots:
  - IEEE P802.3az D2.0, Initial ballot
  - IEEE P802.3az D2.1, 1st recirculation ballot
  - IEEE P802.3ba D2.2, 2nd recirculation ballot
  - IEEE P802.3ba D2.3, 3rd recirculation ballot
- Sponsor Ballots:
  - IEEE P802.3-2000/Cor 1 (IEEE 802.3bb) D2.0, Initial ballot
- Sponsor Ballots group formations
  - IEEE P802.3ba

WG documents for November business

- ## IEEE P802.3az Energy–efficient Ethernet
  - IEEE P802.3az/D2.1 (1st Working Group recirculation ballot) and ballot comments

- ## IEEE P802.3ba 40Gb/s and 100Gb/s Ethernet
  - IEEE P802.3ba/D2.3 (3rd Working Group recirculation ballot) and ballot comments

- ## IEEE 802.3 Ethernet Support for the IEEE P802.1AS Time Synchronization Protocol Study Group
  - IEEE P802.3bf MAC service interface and management parameters to support time synchronization protocols draft PAR and 5C

Membership and Attendance

- Membership requirements (gaining and retaining)
  - 75% attendance at 2 of last 4 plenary sessions (a qualifying interim may be substituted for one plenary)
  - Request to become member during 802.3 potential voter agenda item
  - Participate in 2 of last 3 WG ballots (retaining membership)
  - Maintain valid contact information
  - Consistent declaration of affiliation

Meeting attendance procedures

IEEE 802.3 Working Group Plenary

San Francisco, CA

July 2009

Meeting attendance

- The IEEE-SA Meeting Attendance Tool will be the basis of the official attendance record for this meeting

- To use the tool, you must have an IEEE Web Account

Points of emphasis

- You may log in using your IEEE Web Account user ID or the primary e-mail address specified in your IEEE Web Account
  - Your password is your IEEE Web Account password

- You need to login only once per meeting
  - You are certifying that you are attending a "substantial" portion of that meeting

Contact information

- A participant's web account information will be the official record for contact information

  – This information may be updated at any time by the participant

  – It is not subject to errors during transcription of a written record

  – Your name will appear in the record as it is entered in your IEEE Web Account

  – The primary e-mail address specified in your IEEE Web Account will be our primary means to contact you

  – Updates are reflected in the Working Group database following each session

- To obtain and maintain voting membership, you must maintain correct contact information in the official record

For this session…

- The URL to access the IEEE Meeting Attendance Tool for this meeting is...
  - http://murphy.events.ieee.org/imat/
  - There is no session access code

- The server is locally hosted and cannot be reached from outside of the local network
  - You MUST disconnect your VPN software

- If you create a bookmark for this link, ensure that the bookmark reflects this URL exactly as shown
  - DO NOT bookmark any pages to which this link re-directs you

IEEE-SA Meeting Attendance Tool

Introduction

- There are four steps to using this system

- Prior to or during the session
  1. Get a free Web Account if you don't already have one (keep your contact data in this area up to date)
  2. Register your Interest Areas in myProject if you haven't done so already (it's up to you to keep this updated as needed)

- Each day during the session
  3. Log in to the meeting attendance tool (contact an IEEE 802.3 Working Group officer for the URL to access this system)
  4. Log your attendance and affiliation

Step 1a – Get a free IEEE Web Account

- If you already have an IEEE Web Account, you may skip to the next step, otherwise…
- Go to http://development.standards.ieee.org and click on the link to get an IEEE Web Account

Step 1b – Opting out of IEEE mailings

- You can modify your options in the Web Accounts at http://www.ieee.org then click on "Log into My Account" on the right navigation bar

- Once you log in there will be links on the left side of the screen

- Click on "Communication Preferences"

Step 1b – Opting out of IEEE mailings

- To edit the preferences, click on "Edit"

- This opens the options for you to change the preferred contact method…
  - Do not call
  - Do not send postal mail
  - Do not fax
  - Do not send email
  - Do not send 3rd party mail
  - Do not include in membership directory
  - Do not include in annual IEEE elections

- Save your changes before you exit the form

Step 2 – Register your Interest Areas

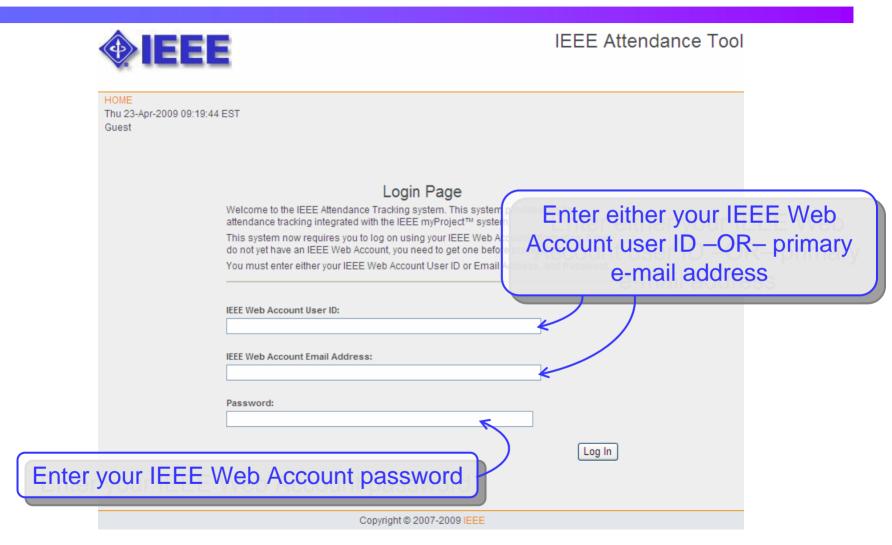- If you have already selected your Interest Areas in myProject, you may skip this step, otherwise…

- Go to http://development.standards.ieee.org and enter your username (Web Account ID) and password to get into myProject

- Select "Manage Activity Profile" and drill down to select the Working Group and/or Project(s) in which you have an interest

- For each of these you will need to specify your affiliation

Step 3a – Select session

IEEE Attendance Tool

HOME

IEEE Attendance Tool

Welcome to the IEEE Attendance Tracking system. This system provides onsite attendance tracking integrated with the IEEE myProject™ system.

Please select the meeting you are currently attending

Local and Metropolitan Area Networks

Start Date	Meeting Name	City	Country
2008/11/09	NOV08 - IEEE 802 Plenary - Dallas		

Select session

Contact an IEEE 802.3 Working Group officer for the URL to access this system

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- Make sure you have an IEEE Web Account per step 1
- Make sure you've designated your myProject Interest Areas per step 2
- You may be asked to enter a "session access code"

Step 3b - Log in to the tool

IEEE Attendance Tool

HOME
Thu 23-Apr-2009 09:19:44 EST
Guest

Login Page

Welcome to the IEEE Attendance Tracking system. This system provides attendance tracking integrated with the IEEE myProject™ system.

This system now requires you to log on using your IEEE Web Account. If you do not yet have an IEEE Web Account, you need to get one before.

You must enter either your IEEE Web Account User ID or Email address, and Password.

IEEE Web Account User ID:

IEEE Web Account Email Address:

Password:

Log In

Enter either your IEEE Web Account user ID –OR– primary e-mail address

Enter your IEEE Web Account password

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Common errors

- You receive the message "An IEEE Web Account was found but the password is not correct. Please try again"
  - You may have forgotten your password
    - Reset your Web Account password: http://www.ieee.org

- You receive the message "IEEE Web Account was not found. Please try again"
  - You may have forgotten your user ID or primary e-mail address
    - Contact Christina Sahr (c.sahr@ieee.org)
  - You may not have an IEEE Web Account
    - Create a Web Account: http://www.ieee.org
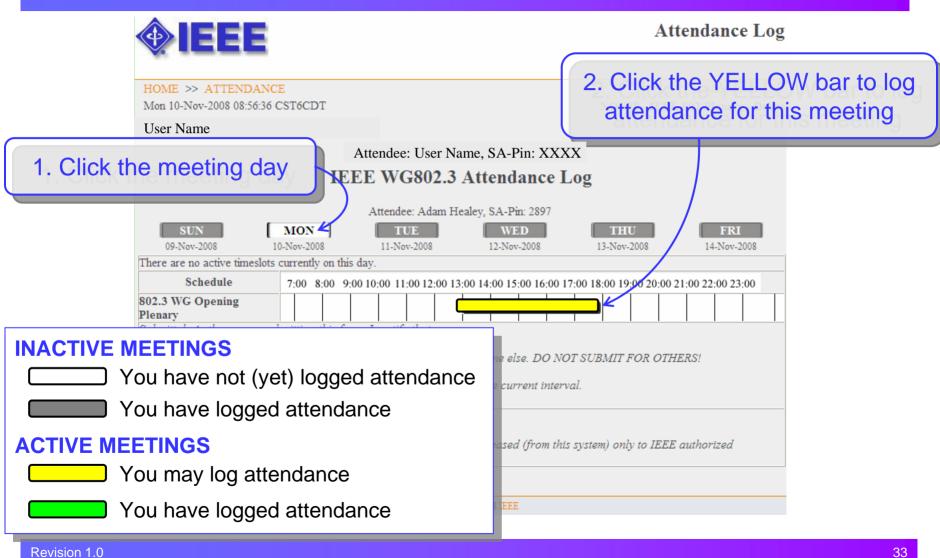
Step 4a – Select Working Group

Attendance Tool

HOME >> ATTENDANCE   Manage   Logout
Mon 10-Nov-2008 08:56:14 CST6CDT   NOV08 - IEEE 802 Plenary - Dallas
Adam Healey

Select Working Group

Instructions (Please Read!)

WG802.1 Attendance
WG802.3 Attendance   ← Select Working Group
WG802.11 Attendance
WG802.15 Attendance
WG802.16 Attendance
WG802.18 Attendance
WG802.19 Attendance
WG802.20 Attendance
WG802.21 Attendance

Change Affiliation

Ensure that you select the correct working group (WG802.3)

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Step 4b – Log your attendance

Step 4c – Declare your affiliation

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Additional Information

HOME >> ATTENDANCE
Tue 21-Apr-2009 10:47:05 EST
Christina Sahr

Start typing your affiliation. If your affiliation shows up on the list, then you may choose it, otherwise keep typing your affiliation until it is complete

Instructions

Start typing your affiliation below. If your affiliation shows up on the list you may choose it, otherwise keep typing your affiliation for it to be recorded.

Working Group Affiliation

You do not currently have an affiliation declared for this working group. Please enter your affiliation for **"1694_WG"** and click on "Submit" at the bottom of the page.

Affiliation:

SUBMIT Click to record your affiliation

- The first time you log attendance for a meeting, you will be asked to declare your affiliation

- You <u>must</u> declare your affiliation in order to receive attendance credit

802.3 Membership

- ## IEEE 802.3 voters

  http://www.ieee802.org/3/minutes/nov09/1109_voters.pdf

- ## IEEE 802.3 voter in peril

  http://www.ieee802.org/3/minutes/nov09/1109_peril.pdf

- ## IEEE 802.3 potential voters

  http://www.ieee802.org/3/minutes/nov09/1109_potential.pdf

IEEE 802.3 Working Group Treasurer's Report

Brad Booth

Treasurer, IEEE 802.3 Working Group

bbooth@amcc.com

Standards Board highlights (p.1)

- NesCom recommendations approved
  - No IEEE 802.3 PARs

- RevCom recommendations approved
  - IEEE 802.3 Projects approved
    - IEEE Std 802.3at-2009 DTE Power via MDI Enhancements
    - IEEE Std 802.3av-2009 10G EPON
    - IEEE Std 802.3bc-2009 Ethernet TLVs

- PatCom
  - Short meeting

Standards Board highlights (p.2)

- ProCom items
  - Obligations and code of Ethics
    - Development of acknowledgment ongoing ProCom (cont)
  - Copyright
    - Proposals approved – awaiting BoG approval
  - Reaffirmation Ad Hoc
    - Ongoing review in to reaffirmation process

LMSC EC Report (p.1)

- IEEE 802 Overview and Architecture
  - Important document referenced by 5 Criteria
  - Open revision PAR for IEEE 802 O&A
    - Need broad review throughout Working Groups
  - Working Group chair to name at least one candidate
    - Champion IEEE 802 O&A within the Working Group
    - Participates in comment resolution
  - nNA
    - Have a signed contract for March 2011 in Singapore
    - Moving for with arrangements for March 2012 in Macau
  - Treasury
    - 28K shortfall in July against 44K shortfall budget

LMSC EC Report (p.2)

- Nearly all attendees registering just before Pre-Registration cut-off
  - Extreme difficulty estimating attendance prior to that cut-off date
- Significant numbers of attendees registration on-site
  - Overload of our on-site registration staff
  - Even more uncertainty in estimating attendance
- Most attendees not booking hotel rooms until cut-off
- Modifications
  - Registration and hotel cut-off
    - Moving from current 17 days to 31 days
  - Registration fees
    - Web pre-registration (prior to 31 day cut-off): $400 (no change)
    - Web registration (31 to 7 days in advance): $500
    - Web registration (less than 7 days) or on-site: $600 ($500 now)

LMSC EC Report (p.3)

- Emergency Services ECSG
- IEEE 802.19 has a draft PAR for standard
  - TV White Space Coexistence Mechanisms
- Need to convert from TAG to WG
  - Proposed structure
  - IEEE 802.19 Working Group
    - TVWS Coexistence Task Group
    - Coexistence Assurance Standing committee

LMSC EC Report (p.4)

EC Chairs meetings for this week

- Wed   1:00 – 2:00 PM   Attendance tool
- Wed   2:00 – 4:00 PM   IEEE 802 Task Force
- Wed   4:00 – 5:00 PM   Registrations changes

- Thur   10:00 – 11:00 AM   30Th Anniversary planning

Tutorials

- New schedule
  - Three slots Monday evening
- Monday 6:00PM to 7:30 PM
  - No tutorial, 40Gb/s Single-mode CFI
- Monday 7:30PM to 9:00 PM
  - Smart grid – Status and Activities
- Monday 9:00PM to 10:30PM
  - Edge Virtual Bridging

Continuing Agenda ...