

IEEE 802.3 Working Group Opening Plenary 9th March 2009

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

Agenda, voter lists:
<http://www.ieee802.org/3/minutes/mar09/index.html>

Meeting SSIDs: VeriLAN or VeriLAN1.x

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@tekновus.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)

Administrative agenda

- Introductions and General announcements
 - Committee decorum
 - Logistics
- Revise/Approve agenda
 - www.ieee802.org/3/minutes/mar09
- General WG Business
 - Approve November 2008 minutes
 - Activities since last plenary meeting
 - Attendance procedures
 - Membership lists
 - Patent policy / Call for Patents
 - Treasurer's Report

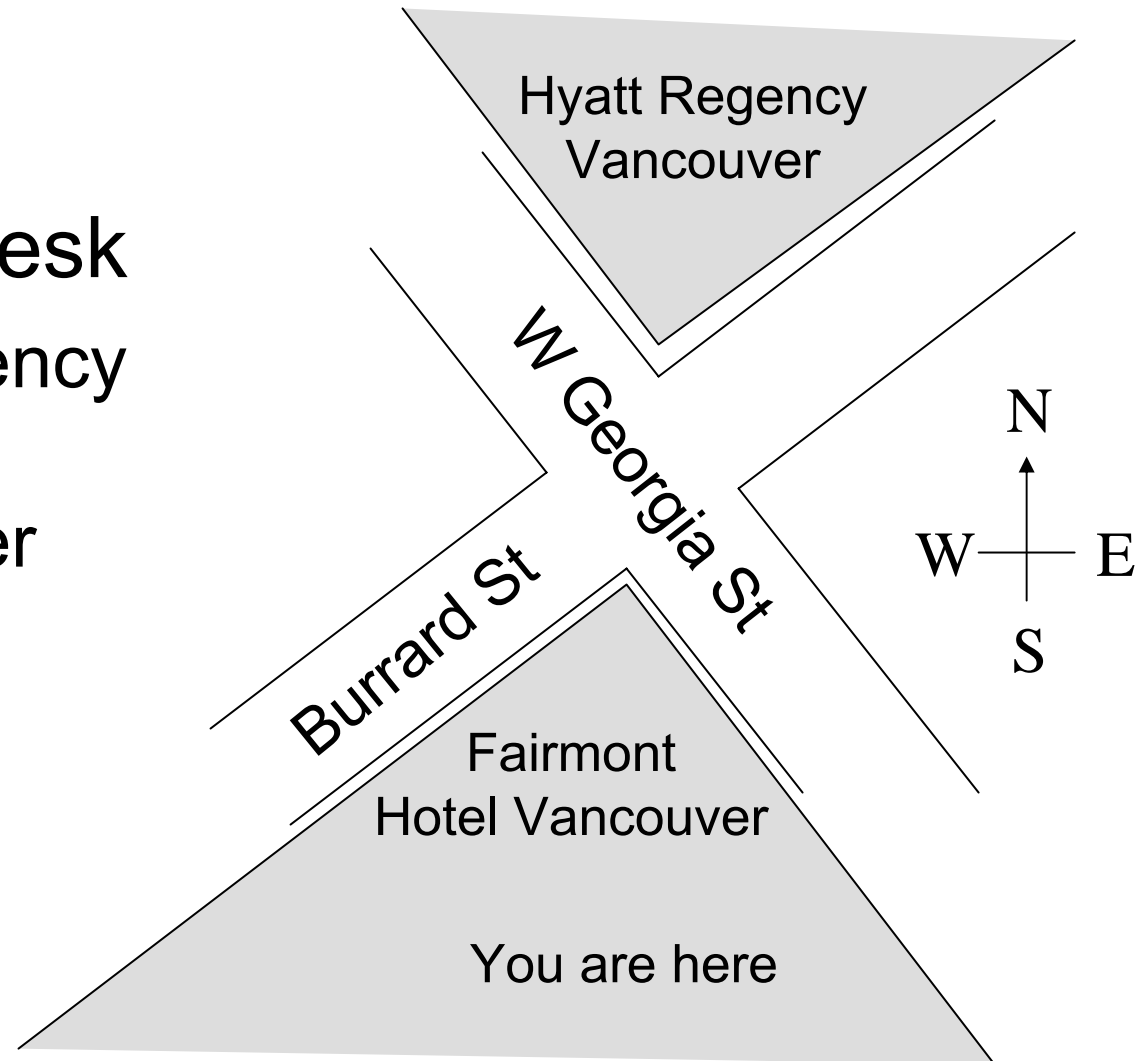
WG Decorum



- 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

Logistics – registration desk

- Registration desk
 - In Hyatt Regency on 3rd floor in Regency foyer



Logistics – Network access

- Meeting SSIDs
 - VeriLAN
 - VeriLAN1.x
- Complimentary in room internet access
 - Fairmont Hotel Vancouver
 - Login: IEEE
 - Password: IEEE
 - Hyatt Regency Vancouver
 - You should receive a voice-mail with details

Agenda and minutes

- Approve agenda
- Approve Minutes
 - November minutes
 - Corrections made to circulated draft
 - In “1108_potential.pdf”, “1108_attendance_summary.pdf”, “1108_close_report.pdf” corrected name Jian Chen.

IEEE 802.3 Standards

- IEEE Std 802.3TM-2008 (26 Dec 2008)
- Superseded standards
 - IEEE Std 802.3TM-2005 (12 Dec 2005)*
 - IEEE Std 802.3TM-2005/Cor 1-2006 (26 Jun 2006)*
 - IEEE Std 802.3anTM-2006 (1 Sep 2006)*
 - IEEE Std 802.3aqTM-2006 (16 Oct 2006)*
 - IEEE Std 802.3asTM-2006 (13 Nov 2006)*
 - IEEE Std 802.3apTM-2007 (22 May 2007)*
 - IEEE Std 802.3TM-2005/Cor 2-2007 (17 Aug 2007)*

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

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
- Reflector subscription
 - Instructions are on the 802.3 and 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 November

- New Orleans, LA, 12th - 16th January 2009
 - IEEE P802.3at, DTE Power Enhancements
 - IEEE P802.3av, 10G EPON
 - IEEE P802.3az, Energy Efficient Ethernet
 - IEEE P802.3ba, 40Gb/s and 100Gb/s Ethernet
 - IEEE 802.3 Maintenance

IEEE 802.3 ballots since November

- Working Group Ballots:
 - IEEE P802.3at D3.3, 3rd recirculation ballot
 - IEEE P802.3av D2.2, 2nd recirculation ballot
 - IEEE P802.3bc D2.0, Initial ballot
- Sponsor Ballots:
 - IEEE P802.3at D4.0, Initial ballot
 - IEEE P802.3av D3.0, Initial ballot
- Sponsor Ballots group formations
 - IEEE P802.3bc

WG documents for March business

- IEEE P802.3at DTE Power Enhancements
 - IEEE P802.3at/D4.0 (Initial Sponsor ballot) and ballot comments
- IEEE P802.3av 10Gb/s EPON
 - IEEE P802.3av/D3.0 (Initial Sponsor ballot) and ballot comments
- IEEE P802.3ba 40Gb/s and 100Gb/s Ethernet
 - IEEE P802.3ba/D1.2 (WG preview)
- IEEE P802.3-2008/Cor 1 (IEEE 802.3bb) Pause Reaction Delay Corrigendum
 - IEEE P802.3ba/D1.1 (WG preview)
- IEEE P802.3bc Ethernet Organizationally Specific TLVs
 - IEEE P802.3bc/D2.0 (Initial Working Group ballot) and ballot comments

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

Attendance procedures

IEEE 802.3 Plenary Meeting
Vancouver, BC
March 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

- Your login is the primary e-mail address specified in your IEEE Web Account
 - The first time you login to the system, you will be asked to create a password
 - This password only applies to this meeting week, and it does not have to be your IEEE Web Account password
 - Use the same login and password throughout the meeting week
- 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
- To obtain and maintain voting membership, you must maintain correct contact information in the official record

March 2009 specifics – 1

- The Meeting Attendance Tool server for this meeting is...
 - <http://murphy.events.ieee.org/imat/>
 - The server is locally hosted and cannot be reached 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

Do you have an IEEE Web Account?

- NO
 - Create a Web Account: www.ieee.org
- YES, I have an IEEE Web Account and I remember my username and password
 - Proceed to log your attendance
- MAYBE, I have an IEEE Web Account but don't remember the password
 - Reset your Web Account password: www.ieee.org
 - If you cannot remember your username, contact Christina Sahr (c.sahr@ieee.org)

[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	Dallas	US

[HOME](#)

Mon 10-Nov-2008 08:55:15 CST6CDT

NOV08 - IEEE 802 Plenary - Dallas

Guest

Login Page

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

If this is the first time you have accessed this system at this session:

1. Enter the email address from your IEEE Web Account
2. Create a new password for use at this session

Enter your primary e-mail address as specified in your IEEE Web Account

Log In

Web Account
Email Address:

*Password:

*Note: If your password has been reset by a system administrator leave this field blank.
You will be prompted to enter a new password on the next page.

[HOME](#)

Fri 9-Jan-2009 16:47:53 EST

Guest

Create New Profile

Welcome! Since this is the first time you are logging on for this Event, you will need to create a profile for this Event. Please re-enter your password and click "Create Profile" to continue.

If you have already created a profile for this meeting [CLICK HERE](#) to return to the Login page.

Web Account Email Address:

Password:

Password (repeat):

[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

WG802.11 Attendance

WG802.15 Attendance

WG802.16 Attendance

WG802.18 A

WG802.19 A

WG802.20 A

WG802.21 A

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

Change Affiliation

[HOME](#) >> [ATTENDANCE](#)

[Manage Logout](#)

Mon 10-Nov-2008 08:56:36 CST6CDT

User Name

Click the YELLOW bar to log attendance for this meeting

IEEE WG802.3 Attendance Log

Attendee: User Name, SA-Pin: XXXX

SUN
09-Nov-2008

MON
10-Nov-2008

TUE
11-Nov-2008

WED
12-Nov-2008

THU
13-Nov-2008

FRI
14-Nov-2008

There are no active timeslots currently on this day.

Schedule	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00	19:00	20:00	21:00	22:00	23:00
802.3 WG Opening Plenary																	

Submittal: As the person submitting this form, I certify that:

1. I am submitting this attendance record
2. At the time of the submittal, I am currently attending
3. I am attending an 802.xx session during the time of the meeting

Confidentiality:

All user contact information is considered confidential (Staff and Chairs)

INACTIVE MEETINGS

- You have not (yet) logged attendance
- You have logged attendance

ACTIVE MEETINGS

- You may log attendance
- You have logged attendance

[HOME](#) >> [ATTENDANCE](#) >> [WG802.15](#)

[Manage](#) [Logout](#)

Thu Mar 20 09:20:00 2008 EST

Orlando IEEE 802 Plenary Session

Christina Sahr

Working Group Affiliation

You do not currently have an affiliation declared for this working group. Please enter your affiliation for "WG802.15" and click on "Submit" at the bottom of the page.

Affiliation:

Other:

Note: Any text entered in "Other" will override any selection from the drop-down list.

Project Affiliation

You do not currently have an affiliation declared for this project. Please enter your affiliation for "802.15.3c" and click on "Submit" at the bottom of the page.

Affiliation:

Other:

Note: Any text entered in "Other" will override any selection from the drop-down list.

March 2009 specifics – 2

- You must attend 3 meeting days, and declare affiliation, to receive meeting credit
 - Our plenary meeting is 4 days in duration
- You must log attendance for Thursday **AFTERNOON** (closing plenary) to get credit for that meeting day
 - You may also log attendance for Thursday **MORNING**, but it does not count toward meeting credit

802.3 Membership

- **IEEE 802.3 voters (244)**

http://www.ieee802.org/3/minutes/mar09/0309_voters.pdf

- **IEEE 802.3 voter in peril (28)**

http://www.ieee802.org/3/minutes/mar09/0309_peril.pdf

- **IEEE 802.3 potential voters (49)**

http://www.ieee802.org/3/minutes/mar09/0309_potential.pdf

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.



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



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>



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.

IEEE 802.3 Working Group Treasurer's Report

Brad Booth
Treasurer, IEEE 802.3 Working Group
bbooth@amcc.com

Treasurer's Report

- Concentration banking
 - Accounts were held at Wachovia
 - Wachovia acquired by Wells Fargo
 - Currently, no impact to concentration banking

- Account balance
 - Nov. 2008 balance: \$8613.19
 - Credits: 43.18
 - Debits: 0.00
 - March 2009 balance: \$8656.37

Treasurer's Report (cont.)

- Tax filing
 - L50-S generated & submitted last week
 - Start of 2008 balance: \$8652.21
 - Credits: 284.86
 - Debits: (304.91)
 - End of 2008 balance: \$8632.16

- 2009 Forecast
 - May meeting??
 - Hosts needed!

Standards Board highlights (p.1)

- December Standards board
 - NesCom recommendations approved
 - All LMSC PARs approved
 - IEEE P802.3bc PAR approval
 - » January continuous processing cycle
 - RevCom recommendations approved
 - All LMSC Projects approved
 - ProCom items
 - Obligations and code of Ethics
 - Changes in ballot
 - Acknowledgment ongoing

Standards Board highlights (p.2)

- ProCom (cont)
 - Copyright
 - Changes in ballot
 - Acknowledgment ongoing
 - Study Group Guidelines Ad Hoc
 - Ongoing
 - Vote Change Ad Hoc
 - Ongoing
- AudCom
 - Working on Working Group P&P
 - Enforcement by random auditing
- PatCom
 - FAQ on ballot comments on lack of LoAs

LMSC EC Report (p.1)

- LMSC treasury
 - Operating reserve ~\$1M expected after this meeting
 - Evaluating budget due to drop in attendance
- ISO/IEC JTC1/SC6 update
 - China will try to standardize WAPI standalone
 - US TAG
 - Current chair is resigning
 - Meeting late Tuesday evening
- EC study Group on 'White Space'
 - FCC has now published rules on use of White Space
 - Providing a tutorial Tuesday
 - Electronic participation experiment
 - Tele-conferencing including web presence
 - EC Ad Hoc will be held Wednesday 11AM to discuss further

LMSC EC Report (p.2)

- Reorganisation of plenary schedule
 - Delete the Opening Plenary; as an alternative, post any info (treasurer's report, PARs...etc.) in well known place.
 - Opening EC: cut the proforma stuff and reduce it to 2 hours (8-10)
 - Tutorials: keep Monday but have 3 slots if necessary – 6-7:30, 7:30-9, 9-10:30. Use Tuesday only on an optional basis.
 - Closing EC: II are only II if they have I associated with them ahead of time. Move to 3:00-8:00 PM

LMSC EC Report (p.3)

- Building consensus Ad Hoc
 - Conference call to be set up after this plenary
- IEEE P802.3ba press release
 - EC voted to support IEEE-SA press release
- Working Group model P&P
 - Come into effect 31st March 2009
 - IEEE-SA AudCom can randomly audit
 - Need to review IEEE 802.3 rules against these

LMSC Chair's Meetings (Windsor)

- Monday 7-8pm open
- Monday 8-9pm open

- Tuesday 9-noon reserved (Nikolich)
- Tuesday noon-1pm open
- Tuesday 1-2pm open
- Tuesday 3-5pm open
- Tuesday 6:30-8pm open
- Tuesday 8:00-10pm open

- Wed 12:30-1:30 Electronic Participation Experiment feedback (Sherman)
- Wed 1:30-3pm 802 Task Force (Nikolich)
- Wed 3-4pm 802 future budget discussion (Hawkins)
- Wed 4-5pm open
- Wed 5-6 EC Retreat Planning (Thompson/Rigsbee)

- Thursday 10-noon open
- Thursday noon-1pm open
- Thursday 1-2pm open
- Thursday 5-7pm open

Tutorials

- Multi-Radio Power Conservation Management
 - Monday, 6:30 – 8 pm
 - Hyatt Regency Vancouver: Regency CD, 3rd Floor
- Opportunities in TV Whitespace
 - Tuesday, 6:30 – 9 pm
 - Hyatt Regency Vancouver: Regency CD, 3rd Floor
- IEEE-SA Patent Pool Collaboration with Via Licensing
 - Tuesday, 9 - 10 pm
 - Hyatt Regency Vancouver: Regency CD, 3rd Floor

Project Authorization Requests

- IEEE P802.3bd Priority-based Flow Control MAC Control Frame PAR and 5 Criteria
- IEEE P802.21c Multi-Radio Power Management PAR and 5 Criteria
- IEEE P802.21.1 Emergency Services PAR and 5 Criteria
- IEEE P802.22a Physical and Medium Access Control Layers for Combined Fixed, Mobile, and Portable Operation in the TV Bands PAR and 5 Criteria

Comment need to be in by 5PM Tuesday

Continuing Agenda

- Liaison Reports
- IEEE 802.3 State of the Standard (Mr. Diab)
- Task Force & Study Group Reports
 - Maintenance (Mr. Diab)
 - IEEE P802.3-2008/Cor 1 (IEEE 802.3bb)
 - IEEE P802.3bc
 - IEEE P802.3at (Mr. McCormack)
 - IEEE P802.3av (Mr. Kramer)
 - IEEE P802.3az (Mr. Bennett)
 - IEEE P802.3ba (Mr. D'Ambrosia)
 - IEEE P802.3.1 (Mr. Frazier)
 - IEEE 802.3 Support for IEEE 802.1AS Time and Synchronization Call for Interest (Mr. Carlson)