

802.1 Plenary - 03/2009

Opening Agenda

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 (2008 SASB Op Manual 5.3.3.4)
- Cell phone ringers off please

Security issues

- **Please wear your badge** when in the meeting areas of the hotel
- This will help the hotel security staff to improve the general security of the meeting rooms
- **PCs HAVE BEEN STOLEN** at previous meetings – **DO NOT** assume that meeting areas are secure

Hotel guest room network access

- Attendees staying at the Hyatt at the group rate can access the hotel network using the access info provided to them by voicemail
- Attendees staying at the Hotel Vancouver can access the hotel network using
 - Username - IEEE
 - Password - IEEE

802.1 officers etc

■ Officers

- Chair: Tony Jeffree
- Vice Chair: Paul Congdon
- Recording Secretary: Michael Wright
- Security TG Chair: Mick Seaman
- Interworking TG Chair: Steve Haddock
- AV Bridging TG Chair: Michael Johas Teener
- Data Center Bridging TG Chair: Pat Thaler
- Maintenance of website: John Messenger
- Maintenance of Email exploder: Hal Keen

■ Website

- <http://www.ieee802.org/1/>
- Username: p8021 Password: go_wildcats

Administrative stuff – Upload area

- Website – New Upload area

- The new file upload facility can be accessed from the filenaming conventions page at:

- <http://ieee802.org/1/filenaming.html>

Membership

- Voting membership
 - Current 802.1 membership rules:
 - A *session* is (the whole of) an Interim or Plenary during which 802.1 meets. A *meeting* is a subset of a session; i.e., a contiguous time period during the session when the WG meets. 802.1 considers meetings to be ½ day in duration.
 - To gain membership: Attend 2 plenaries in the span of the four most recent plenaries (one interim can be substituted) **and** inform the Chair of your intention to become a voter. Membership is then gained at the start of the next plenary attended
 - To maintain membership: Attend 2 out of the last 4 plenaries (one interim can be substituted) , and respond to 2 out of 3 most recent WG/TG ballots
 - **Attendance is as per the on-line signup system:**
<https://murphy.events.ieee.org/imat/attendance/index>
 - **If you need assistance with the use of the signup system see next slide**
 - **Signup must be 75% of meetings during a session in order to count.**
 - **Affiliation must be declared in order for attendance to be recorded (see later slides).**
 - Signing up for a meeting declares that you have (or will have) attended during the majority of the allotted time for that ½ day meeting. Hence, at sessions where more than one WG meets, signing up at two parallel meetings is **not** valid.
- Voting rights are properly regarded as an obligation, not a privilege!

IEEE-SA MEETING ATTENDANCE TOOL

YOU MUST HAVE AN IEEE WEB ACCOUNT TO LOG YOUR MEETING ATTENDANCE

STEP 1. Do you have an IEEE Web Account (IEEE Database)?

- NO :
 - GO CREATE A WEB ACCOUNT → www.ieee.org → **Set up IEEE Web Account**
 - FOLLOW THE INSTRUCTIONS TO CREATE NEW WEB ACCOUNT
- YES:
 - I have an IEEE Web Account and remember the username and password. GO TO STEP 2
 - I have an IEEE Web Account but don't remember the password. RESET YOUR PASSWORD → www.ieee.org → **Set up IEEE Web Account**
 - **IMPORTANT! Your IEEE Web Account holds your contact information. Make sure this is up to date by logging into your Web Account and review/update your contact information.**
- I AM NOT SURE:
 - I don't remember if I have a Web Account. → **contact c.sahr@ieee.org**
 - I don't remember my IEEE Web Account USERNAME → **contact c.sahr@ieee.org**

STEP 2. Have you visited myProject (Standards Association Database)?

- NO:
 - **Log onto myProject → <https://development.standards.ieee.org/my-site>**
 - FOLLOW THESE INSTRUCTIONS
 - Click Manage Activity Profile
 - Expand IEEE COMPUTER SOCIETY
 - Expand LOCAL AND METROPOLITAN AREAS NETWORKS
 - Check the box for the working group (GREEN) that you are interested in
 - Click CONTINUE
 - Claim affiliation
- YES: You are ready to use the Meeting Attendance Tool at <https://murphy.events.ieee.org/imat/attendance/index>
- **(N.B. You cannot log attendance via the guest room network!)**

Affiliation (1)

- **From the IEEE-SA Standards Board Operations Manual:**

5.3.3.1 Disclosure of affiliation

Each participant's affiliation shall be disclosed at any working group or project meeting. The chair or the chairs delegate shall inform the meeting of the requirement for disclosure of affiliation (see 5.2.1.5 of the IEEE-SA Standards Board Bylaws). This shall be via a sign-in (e.g., sign-in sheet, electronic sign-in, verbal disclosure, or electronic communication) that provides for disclosure of employer and any other affiliation, a reminder of the definition of affiliation, and possible penalties for non-compliance.

Whenever an individual is aware that the ownership of his or her employer or other affiliation may be material to the process, or when the Sponsor or the IEEE-SA Standards Board requests, that individual shall also declare the "ultimate parent entity" of their affiliation. The ultimate parent entity is an entity that directly or indirectly, through one or more intermediaries, controls the entity identified as the individual's affiliation. For the purposes of this definition, the term "control" and its derivatives, with respect to for-profit entities, means the legal, beneficial or equitable ownership, directly or indirectly, of more than fifty percent (50%) of the capital stock (or other ownership interest, if not a corporation) of an entity ordinarily having voting rights.

"Control" and its derivatives, with respect to nonprofit entities, means the power to elect or appoint more than fifty percent (50%) of the Board of Directors of an entity. The minutes of each working group or project meeting shall record a list of attendees and the disclosed affiliation of each attendee.

5.3.3.2 False or misleading disclosure

A meeting attendee who fails to disclose affiliation shall not accrue any membership rights, including rights of or towards voting membership, until such disclosures have been made. The chair shall review the adequacy of disclosures. Failure to disclose affiliation, or materially false or misleading disclosure of affiliation, shall result in loss of membership privileges and may also result in loss of other participation privileges within the IEEE-SA for such participants and any affiliated entities.

The Sponsor of the project shall, when appropriate, review the adequacy of disclosures and, if deemed inadequate, may direct corrective action(s). In the absence of effective corrective action(s) by the Sponsor, the IEEE-SA Standards Board may impose further corrective action(s).

Affiliation (2)

- **From the IEEE-SA Standards Board Bylaws:**

5.2.1.5 Disclosure of affiliation

Every member and participant in a working group, Sponsor ballot, or other standards development activity shall disclose his or her affiliation. An individual is deemed "affiliated" with any individual or entity that has been, or will be, financially or materially supporting that individual's participation in a particular IEEE standards activity. This includes, but is not limited to, his or her employer and any individual or entity that has or will have, either directly or indirectly, requested, paid for, or otherwise sponsored his or her participation. Failure to disclose every such affiliation may result in complete or partial loss of rights to participate in IEEE-SA activities. An individual is not excused from compliance with this policy by reason of any claim of a conflicting obligation (whether contractual or otherwise) that prohibits disclosure of affiliation. A person who believes that a participant's disclosure is materially incomplete or incorrect should report that fact to the Secretary of the IEEE-SA Standards Board and the appropriate Sponsor(s).

The following are 802.1 voters:

Aboul-Magd, Osama
Alon, Zehavit
Bestler, Caitlin
Bialkowski, Jan
Boatright, Rob
Bonnamy, Jean-Michel
Bottorff, Paul
Brandner, Rudolf
Carlson, Craig
Cheng, Weiyang
Cherukuri, Rao
Cheung, Taesik
Congdon, Paul
Crupnicoff, Diego
Desanti, Claudio
Ding, Zhemin
Dunbar, Linda
Elbakoury, Hesham
Elie-Dit-Cosaque, David
Farkas, Janos
Fedyk, Donald
Feng, Felix Feifei
Finn, Norman
Frazier, Robert
Fuller, John
Garner, Geoffrey
Ghanwani, Anoop

Goetz, Franz
GOFF, YANNICK
Gray, Eric
Grewal, Karanvir
Gunther, Craig
Gusat, Mitch
Haddock, Stephen
Hausauer, Brian
Hazarika, Asif
Insler, Romain
Jeffree, Anthony
Karandikar, Abhay
Kashyap, Prakash
Keen, Hal
Kilcrease, Keti
Kim, Yongbum
Klein, Philippe
Ko, Mike
Kondapalli, Raghu
Kumar, Vinod
Kwan, Bruce
Laihonen, Kari
Lerer, Michael
Mace, Gael
Mack-Crane, Ben
Martin, David
Martinotti, Riccardo

Mascitto, Marco
McGuire, Alan
McIntosh, James
Menuchery, Menucher
Messenger, John
Mohan, Dinesh
Mora, Matthew
Multanen, Eric
Nolish, Kevin
Ohta, Hiroshi
Olsen, David
Pannell, Donald
Parsons, Glenn
Patton, Ken
Pelissier, Joseph
Peterson, David
Porat, Hayim
Pritikin, Max
Rajagopal, Ananda
Randall, Karen
Roden, Robert
Roeck, Guenter
Roese, Josef
Rohde, Derek
Romascanu, Dan
Roth, Moran
Rouyer, Jessy

Sadler, Jonathan
Sajassi, Ali
Salowey, Joseph
Saltsidis, Panagiotis
Sathe, Satish
Sauer, John
Seaman, Michael
Seto, Koichiro
Shah, Himanshu
Sprecher, Nurit
Stanton, Kevin
Sultan, Robert
Suzuki, Muneyoshi
Swallow, George
Takacs, Attila
Teener, Michael
Terry, John
Thaler, Patricia
Thorp, Oliver
Tuck, Fred
Wadekar, Manoj
Wang, Yan
Weis, Brian
Wijnen, Bert
Winkel, Ludwig
Wright, Michael D.
Wu, Chien-Hsien
Young, Ken
Zorn, Glen

The following have become voting members if they are here this week:

Bjorkman, Bill

Lipshteyn, Marina

Sharma, Suman

The following could become voting members if they email me indicating their intention to do so:

Choi, Jin-Seek
Connor, Don
de Heer, Arjan
Florit, Lionel
Godbole, Avanindra
Gravel, Mark
Hasegawa, Takashi
Hudson, Charles
Jost, Thomas
Kishimoto, Takayuki
Loewen, Jonathan
Loh, Zhi-Hern
Noseworthy, Bob
Oliva, Stephen
Pavlovsky, Alex
Pearson, Mark
Ramanathan, Ramasamy
Roney, Gregory
Warren, Niel
White, Martin

Access to 802.XX websites/reflectors

- As per established 802 EC decisions, there should be no restriction placed on access to websites and email reflectors owned by other WGs
- Some WGs allow the 802.1 username/password to be used on their websites
- For others, a request to the WG Chair should produce the desired result.
- IF YOU DON'T GET A SENSIBLE RESPONSE FROM THE RELEVANT WG CHAIR, LET ME KNOW.

802.1 WG and TG operation

- Consensus process; the ultimate test of consensus is the vote taken on a WG draft
- Votes are not taken in Task Group or Interim meetings
- 802.1 WG Plenary meetings are used to take any “formal” votes
- Most technical issues are resolved through Task Group ballots, prior to the formal Working Group ballot; i.e., we conduct the WG ballot only when we think we’re nearly done
- Voting membership is NOT a pre-requisite to participate in TG or WG ballots
- Focus is on technical progress, not studying/applying RR
- Offline discussions are essential in achieving consensus

TG, WG, and Sponsor ballots

- Task Group Ballots:
 - Anyone can respond and vote (although voting members are obliged to do so)
 - Asks the question: “Is this draft complete and ready for Working Group Ballot?”
- Working Group Ballots:
 - Anyone can respond
 - Only voting members are able to (and are obliged to) vote
 - Asks the question: “Is this draft complete and ready for Sponsor Ballot?”
- Sponsor Ballots:
 - External review process
 - Only members of the balloting group can participate
 - To join the various balloting pools, you need to visit the IEEE website (pointer on the 802.1 website)

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.

(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.

Task Group Patent policy announcements

- TG Chairs please note:
 - At the start of each TG meeting, TG Chair needs to perform the Call for Patents as per the previous slides.
 - During the rest of the week, please announce each morning that the meeting is subject to the Patents Policy as read and displayed at the opening of the TG meeting. If there are any responses to the call, minute it.
 - Point attendees at the PatCom website for details of the policy:

<http://standards.ieee.org/board/pat/index.html>

and for the slide set:

<http://standards.ieee.org/board/pat/pat-slideset.ppt>

Presentation materials

- **Copyright statements or privacy/confidentiality statements of any kind SHALL NOT APPEAR on any contributions to 802, either in emails or in presentation material**
- Power Point bloat
 - At these meetings external bandwidth is not free
 - Please consider this when developing presentations
 - Corporate logos, graphic backgrounds, lots of clip art, etc. occupy lots of megabytes & generally do not convey any content that helps us to make technical progress
 - A comparison: Current 802.1Q-REV plus AD is a mere 2.8 megs; some recent presentations have been of comparable or greater size (but smaller in content by a couple of orders of magnitude!)
 - I will reserve the right in future to refuse circulation of materials that I consider to be excessive in this regard

Future interim meetings

- May 2009 (firm):
 - Pittsburgh Pen 18th-21st
- September 2009 (offer):
 - Offer from Claudio DeSanti/Cisco to host a meeting in Tuscany 7th through 10th.
- January 2010 (offer):
 - Jan 2009 New Orleans meeting – sponsors incurred hotel penalties
 - Hotel has offered a deal on the penalties if we hold a repeat meeting in 2010
 - Needs to be late in the month to be useful given holiday season

Exec report

- BoG approved the Strategic Plan – still working on the communication plan
- BOG Policy & procedure: Revised copyright policy, revised participant qualifications
- SA programs:
 - Patent pools
 - Conformity assessment programs
- SA board actions
 - 802.1AP approved
- Draft PARs to NesCom:
 - 802.3bd Priority base flow control frames
 - 802.21.1 emergency services
 - 802.21c multi-radio power management (amendment)
 - 802.22a TV band operation
- PARs due to time out – AR and aq
- 802 members on SASB:
 - SASB members: Bob Grow, Steve Mills, David Law, Glenn Parsons, Mark Epstein, Jon Rosdahl
 - NesCom: Young Kyun Kim, Mark Epstein
 - RevCom: David Law, Phil Barber, John Barr, Clint Chaplin, Wael Diab, Glenn Parsons
 - ProCom: Steve Mills, Jon Rosdahl
 - PatCom: Steve Mills, David Law
 - AudCom: Glenn Parsons, Clint Chaplin, Wael Diab
- IEEE-SA/802 Task Force
 - JTC1 status update
 - Strategic plan comms plan
 - Ombudsman update
 - 2010 budget for GET802
 - Certification program update

Exec report

- Treasurer's report
 - 1268 attendees in Dallas (Nov 08)
 - Expect ~1000 in Vancouver
- Tutorials
 - Monday: Multi-radio power management
 - CFI 802.3 support for 802.1AS time synch
 - Tuesday: White space tutorial
 - IEEE-SA patent pool collaboration with Via Licensing
- JTC1/SC6 update
 - Geoff Thompson is resigning as TAG Chair. TAG meeting this week – late Tuesday PM – time TBA.
- Whitespace EC study group report
 - Tutorial Tuesday
- Electronic participation experiment
 - Mixed F2F and electronic participation in Whitespace meetings
 - Telephone accesss
 - Webex with full telecon capability
 - 33% electronic participation, 67% F2F
 - Poll: electronic participants broadly in favour; spread of opinion amongst F2F. Average is ~neutral.
 - Mat to bring recommendations to the EC Friday.
 - Ad-hoc 11-12 wednesday
- Forging concensus
 - Telecon to discuss this before July

Exec report

- Proposals to change Plenary format
- Streamlining the standards development process (discussions in 802.11) – may be more generally applicable. .11 will report on Friday.
- EC offsite meeting planning
 - Soon after the SFO meeting; 2.5 days
 - Objective: Deal with EC business that has proved not to fit into plenary schedules
 - Scope: Focus on a small number of top issues
 - Purpose: Get a good start on issues
 - Venue – Hyatt SFO
- 64 vs 48 bit addressing issue – 802.15.4
- P&P activities
 - AudCom is imposing baseline operating procedures on WGs.
 - http://standards.ieee.org/board/aud/WG_PandP.doc
 - Not yet clear whether these will require action by each WG (e.g., we could be covered by the common 802 rules)

Proposals for Plenary changes:

- 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

IEEE Standards Process Training

- Ever find the process here confusing?
 - Why do we have study groups?
 - What's a PAR?
 - How do you get your standard approved?
- Need a quick refresher on the process?
- Help is at hand:
 - Free on line training at:
<http://iee802.org/training.htm>
- Learn or review the IEEE Standards process in 3 hours or less.

Liaisons

- Joint meetings with 802.11
 - Thurs 8-10 with AVB TG
- Any others?

PARs this week

- We need to request an extension for P802.1aq which times out in December
- Other WG PARs:
 - 802.3bd (priority based flow control frame),
 - 802.21 – support for emergency services,
 - 802.21 – multi-radio power management,
 - 802.2a - Combined Fixed, Mobile, and Portable Operation in the TV Bands
 - <http://www.ieee802.org/PARs.html>

Email lists

- Is 1 enough?
- Do we need an additional list(s) to handle ballot traffic?
- Other solutions (e.g., 802.11's web based system)?

The future of Q Clause 12?

- Comments on Qau to the effect that Clause 12 is of increasingly limited value
 - Largely write-only
 - Bloated
 - Repeats stuff defined elsewhere
- What to do?
 - Value in protocol-independent description of functionality
 - This is probably not the way to do it anymore
 - Better to keep mgt description with the things being managed?
- Next steps?

TG Minutes

- ...are needed; TG stuckees please forward them to me
- ...are NOT intended to be a blow-by-blow account of a meeting
- ...ARE intended to record presentations, discussion topics, and what was decided (i.e., motions, but these get done in the closing Plenary).

TG agendas

“Virtual Bridging”