

802.1 Plenary - 03/2014

Beijing

Opening Agenda

General information...

- See:

<http://www.ieee802.org/1/files/public/minutes/802-1-general-info-v3.pdf>

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

802.1 officers etc

■ Officers

- Chair: Tony Jeffree
- Vice Chair: Glenn Parsons
- Recording Secretary: Eric Gray
- Security TG Chair: Mick Seaman
- Interworking TG Chair: Steve Haddock
- TSN 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

The following are 802.1 voters:

Ao, Ting

Boiger, Christian

Bottorff, Paul

Cheng, Weiying

Crupnicoff, Diego

Cummings, Rodney

Diamond, Patrick

DIARRA, Aboubacar

Kader

Farkas, Janos

Finn, Norman

Fredette, Andre

Garner, Geoffrey

Ghanwani, Anoop

Goetz, Franz

Gravel, Mark

Gray, Eric

Grow, Robert

Gunther, Craig

Haddock, Stephen

Hayakawa, Hitoshi

Hitt, Jeremy

Hussain, Rahil

Jakovljevic, Mirko

Jeffree, Anthony

Jochim, Markus

Johas Teener,

Michael

Keen, Hal

Kiessling, Marcel

Klein, Philippe

Kleineberg, Oliver

Lynch, Jeff

Mack-Crane, Ben

McIntosh, James

Messenger, John

Moldovansky,

Anatoly

Multanen, Eric

Muyshondt, Henry

Olsen, David

Pannell, Donald

Parsons, Glenn

Randall, Karen

Romascanu, Dan

Rouyer, Jessy

Saltsidis, Panagiotis

Schell, Rick

Seaman, Michael

Sexton, Daniel

Specht, Johannes

Stanton, Kevin

Steiner, Wilfried

Thaler, Patricia

Touve, Jeremy

Tretter, Albert

Weber, Karl

Wei, Yuehua

The following will become voting members when/if they show up here this week:

Weis, Brian

Woods, Jordon

The following could become voting members if they email me indicating their intention to do so and if they show up here this week:

Edge, Bob

Kim, Yongbum

Walter, Todd

Woods, Jordon

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.

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>

Future interim meetings

- May 12th-16th 2014: John D'Ambrosia/Ethernet Alliance
 - <http://ieee802.org/1/files/public/docs2013/admin-ea-offer-to-host-may2014-15-0713.pdf>
- September 8th – 11th 2014: Ottawa, Glenn Parsons/Ericsson
 - Brookstreet Hotel \$185 CDN
 - Meeting fee \$300/\$500 CDN
- January 19th-23rd 2015
 - 802-sponsored Interim, Atlanta
- May 11-15 2015: John D'Ambrosia/Ethernet Alliance
 - <http://ieee802.org/1/files/public/docs2013/admin-ea-offer-to-host-may2014-15-0713.pdf>
- January 2016
 - 802-sponsored Interim, Atlanta

802.1 Chair/Vice-Chair elections

- These elections will take place during the closing 802.1 Plenary on Thursday
- Nominations are invited at any time from now until the start of the closing 802.1 Plenary on Thursday(1:30)
- Nominees so far
 - Chair: Glenn Parsons
 - Vice-Chair: John Messenger
- If there are multiple nominees for a post, then an election will take place in which only 802.1 voters participate and in which each voter casts a single vote for their preferred candidate. To win the election, a majority of voters present in the room is required. If a majority is not achieved, then the candidate with the least number of votes is eliminated and the vote re-taken.
- A motion to approve the winning candidate (in the case of an election) or the single nominee (in the event that there is only one candidate for the post) will then be made and voted upon by 802.1 voting members.

802 Chair and Officer elections

- These elections will take place during the closing EC meeting on Friday
- Positions to be filled:
 - 802 Chair
 - 802 1st Vice-Chair
 - 802 2nd Vice Chair
 - 802 Recording Secretary
 - 802 Treasurer
 - 802 Executive Secretary
- If you have ambitions to be 802 Chair, talk to Paul Nikolich to find out what is involved.
- The 802 Officers are appointed by the 802 Chair, so if you have any ambitions in that direction, talk to the candidate(s) for 802 Chair position.

Exec report

- Election time (see earlier)
- Various rule changes
- O&A: SB comment resolution Tues FR3a in CW 10:30 – 12:30 & Thurs in Traders Room A, 10:30 – 12:30 . Conditional approval out of this meeting.
- Future plenaries: Don't plan on more than 5 rooms in parallel. WGs less than 30 get only 1 room
 - March 2015: Barcelona (Expensive, 1 week later than normal) or Berlin (cheaper, usual week)
 - July 2017: Copenhagen (Expensive), or Berlin (cheaper) or Waikoloa (boring)
 - March 2016: Sands Venetian Macau. Early bird \$190, or Holiday Inn \$125
- Treasurers report
 - Reserves holding up, but
 - Loss of \$425K on this meeting
- Exec session to discuss confidential network services provision contract details
- JTC1 standing committee: Status formalised, Andrew Myles as chair
- ITU-T standing committee: Glenn is chair. Weds 10:30-12:30 meeting.
- IETF standing committee: Pat is Chair. Workshop on security issues took place during London IETF. Implications for 802. IETF/IEEE coordination is going well.
- 1905.1: Negative response to our request to share drafts. Paul will formulate a message to SB etc.

Liaisons

- Joint meetings
 - Tues 9:00 – 18:00 – Interworking/TSN
 - Tues 18:00 – 19:30 – IoT Nuts & Bolts
 - Tues 19:30 – 802.15.3 (100 Gigs PTP) discussion
 - Thurs 8-10 802.1 TG/802.11 – Bridging issues
- Incoming liaison from MEF
- IEEE 802 JTC1 standing committee meetings
 - Tuesday PM1
 - Wednesday PM1
 - Thursday PM1
- Any others?

PARs this week

- 802.1 PARs:
 - 802.1Qcd PAR modification (Pat/DCB to generate this)
- Other WG PARs:
 - 802.3bp - amendment: 1 Gb/s Operation over Single Twisted Pair Copper Cable, PAR modification request
 - 802.3bs - amendment: 400 Gb/s Ethernet
 - 802.11 HEW (High Efficiency WLAN)
 - 802.15.3d 100Gbps wireless switched point-to-point physical layer
 - 802.15.4r Radio based Distance Measurement Techniques
 - 802.22 Revision PAR for 802.22-2011
 - <http://grouper.ieee.org/groups/802/PARs.shtml>

OmniRAN EC SG

March 2014 Opening Report to 802.1

EC SG Chair:
Max Riegel (NSN)

OmniRAN EC SG

Status and Outlook

- OmniRAN PAR proposal on IEEE 802.1CF Recommended Practice: 'Network Reference Model and Functional Description of IEEE 802 Access Network' was approved by IEEE 802 EC on November 15th, 2013
 - <https://mentor.ieee.org/omniran/dcn/13/omniran-13-0096-00-ecsg-approved-par-clean.pdf>
- The PAR is on the NesCom agenda for approval on March 26th, 2014
 - IEEE 802.1CF project starts after NesCom approval
- OmniRAN EC SG was extended in November 2013 until March 2014 to take care of the PAR approval by NesCom.
- OmniRAN EC SG will ask for another extension in the EC closing plenary, just for the case that NesCom asks for additional input.
 - BTW: *A Study Group is disbanded upon approval of the PAR by the IEEE-SA Standards Board.*

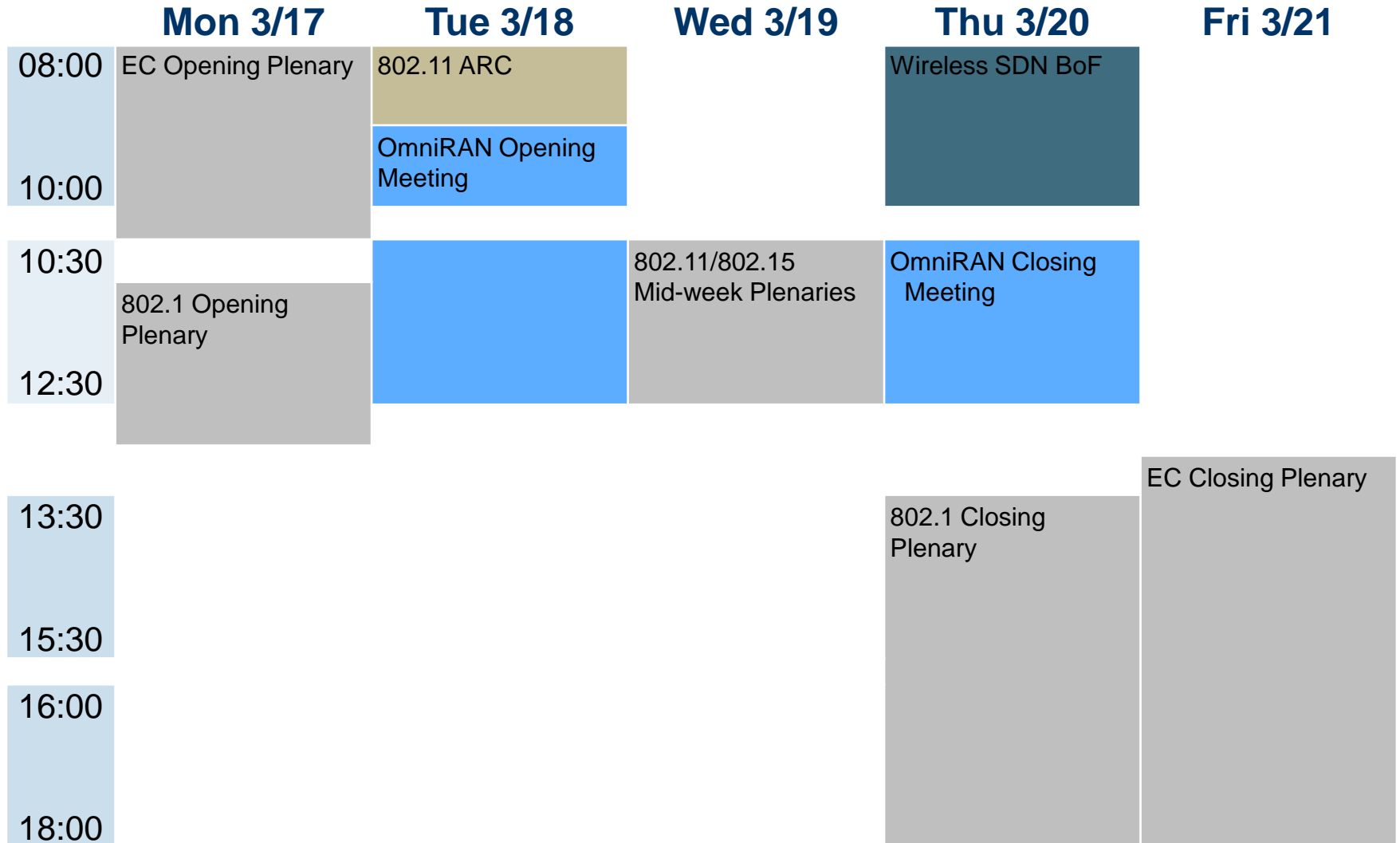
OmniRAN after the approval of the P802.1CF PAR

- The Executive Committee Study Group is disbanded by the NesCom approval of the PAR.
- The OmniRAN group of people likes to avoid ‘hibernation’ between March 26 and the July 2014 IEEE 802 plenary and seeks to continue the work on the following topics:
 - Network Detection and Selection
 - Discussions with 802.1 Sec TG, 802.3, 802.11 and 802.15
 - Point-to-point links across bridged infrastructures
 - P802.1AEcg: Ethernet Data Encryption devices (Mick Seaman)
 - Using PBB-TE (with and without MiM) w/ OpenFlow or SNMP for control (Paul Bottorff)
 - Scope of specification work on SDN in P802.1CF
- How to enable continuation of the work in IEEE 802.1?
 - Can the chair of 802.1 establish the P802.1CF project and appoint an interim chair, when the PAR is approved?
 - Should we come up with some motion in the 802.1 closing plenary on Thursday?

Agenda for March 2014 Session

- Approval of minutes
- Reports
- Example contributions to the intended specification
- Outline of the intended specification
- Organization of the work
 - Cooperation with the other IEEE 802 WGs
- Operation within IEEE 802.1
- Location of May 2014 session
- Conference calls until May 2014 session
- Motion to extend the ECSG until July 2014
- Liaison report to IEEE 802 WGs
- AOB

Mar 2014 Agenda Graphics



OmniRAN ECSG

Resources

- Website:
<http://www.ieee802.org/OmniRANsg/>
- Document Archive on mentor:
<https://mentor.ieee.org/omniran/documents>
- Email reflector:
ecsg-802-omniran@listserv.ieee.org
- Email archive:
<http://grouper.ieee.org/groups/802/OmniRANsg/email/>
- Attendance:
Paper list (normative) + IMAT
 - IMAT mandatory for participants seeking attendance credits
 - Reciprocal rights for most WGs

SDN support by 802.1Q

- Janos, Steve, and Panos have produced a tutorial paper on this topic, uploaded here:
- <http://ieee802.org/1/files/public/docs2014/Q-farkas-SDN-support-0314-v01.pdf>
- Potentially of interest to Omniran discussions

TG agendas