802.1 Plenary - 03/2012 Hawaii

Closing Agenda

802.1 officers etc

- Officers
  - Chair: Tony Jeffree
  - Vice Chair: Paul Congdon
  - Recording Secretary: Eric Gray
  - 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

The following are 802.1 voters:

Alon, Zehavit	Gravel, Mark	Pannell, Donald
An, Yafan	Gray, Eric	Parsons, Glenn
Ao, Ting	GU, Yingjie	Pearson, Mark
Ashwood-Smith, Peter	Gunther, Craig	Pelissier, Joseph
Boiger, Christian	Haddock, Stephen	Raeber, Rene
Bottorff, Paul	Hayakawa, Hitoshi	Randall, Karen
Brandner, Rudolf	Jeffree, Anthony	Roese, Josef
Carlson, Craig	Keen, Hal	Romascanu, Dan
Cheng, Weiying	Keesara, Srikanth	Rouyer, Jessy
Congdon, Paul	Kim, Yongbum	Sajassi, Ali
Cummings, Rodney	Klein, Philippe	Saltsidis, Panagiotis
Desanti, Claudio	Kleineberg, Oliver	Seaman, Michael
Ding, Zhemin	Krause, Michael	Seto, Koichiro
Eastlake, 3rd, Donald	li, lin	Sharma, Rakesh
Farkas, Janos	Lynch, Jeff	Shimizu, Takeshi
Fedyk, Donald	Mack-Crane, Ben	Stanton, Kevin
Finn, Norman	Martin, David	Sultan, Robert
Ganga, Ilango	Messenger, John	Teener, Michael
Garner, Geoffrey	Morris, John	Thaler, Patricia
Ghanwani, Anoop	Multanen, Eric	Tumuluri, Chait
Goetz, Franz	Olsen, David	Vissers, Maarten

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

Chang, Xin
Crupnicoff, Diego
Jones, Girault
Kamath, Daya
Kumar, Vinod
Li, Yizhou
Xiao, Min

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

Agarwal, Puneet

Assarpour, Hamid

Bickford, Charles

Bragg, Nigel

Connor, Don

Dabagh, Alireza

flaherty, stephen

Gilman, Evan

Joshi, Mandar

Kariya, Kazutoshi

Kim, Taeeun

Lapuh, Roger

Moldovansky, Anatoly

Nakagawa, Yukihiro

Shao, Hong

Tanaka, Jun

Touve, Jeremy

Weber, Karl

Wei, Yuehua

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**

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**

Slide #1

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.

Future interim meetings

- May 2012:
  - York, UK, 15-18th

  http://ieee802.org/1/files/public/docs2011/admin-messenger-may12-york-meeting-1111-v01.pdf

- September 2012:
  - Potential meeting in Santa Cruz, CA, 10-13th
  - http://www.ieee802.org/1/private/email2/msg18313.html

- January 2013:
  - Possible Kauai, possibly joint with 802.3

- May 2013:
  - Possible joint meeting with 802.3, USA

- September 2013:
  - Possible joint meeting with 802.3, China

Sanity check – current workload

1. 802 O&A – WG ballot. PAR to Dec '13
2. 802.1AC – MAC Service – Sponsor ballot. PAR to Dec '12
3. 802.1aq – Shortest Path – To RevCom. PAR to Dec '12
4. 802.1Qbg – Edge Virtual Bridging – To RevCom. PAR to Dec '13
5. 802.1AXbk – Link Agg addressing – To RevCom. PAR to Dec '14
6. 802.1Qbp – ECMP – Task group ballot. PAR to Dec '15.
7. 802.1AX-REV – (was DRNI) – Task group ballot. PAR to Dec '15.
8. 802.1BR – Port extenders – To RevCom. PAR to Dec '15.
9. 802.1ASbt – Time synch enhancements – PAR to Dec '15.
10. 802.1AS Cor-1 – Time synch corrections – TG ballot. PAR to Dec '15.
11. 802.1Q Cor-2 – Tech & Ed Corrections – WG ballot. PAR to Dec '16.
12. 802.1Qbu – Frame preemption - PAR submitted.
13. 802.1Qbv – Scheduled traffic - PAR submitted.
14. 802.1AEbw – Extended packet numbering - PAR submitted.
15. 802.1Xbx – MKA extensions - PAR submitted.

Published since November: 802.1Qbf

TG reports

- Interworking
- Security
- AVB
- DCB
- Maintenance

Chair/Vice-Chair elections

- These elections will take place during the closing 802.1 Plenary in March 2012
- Nominations are invited at any time from now until the start of the closing 802.1 Plenary in March 2012
- The existing Chair intends to stand for re-election; however, this does not preclude other nominations
- 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.

Chair/Vice-Chair - Nominations

- **Chair:**
  - Tony Jeffree

- **Vice-Chair:**
  - Glenn Parsons 29
  - John Messenger 7

  - Abstain 0

Motions

MOTION

- 802.1 confirms the election of Tony Jeffree as 802.1 WG Chair.
- Proposed: congdon
- Seconded: messenger
- For_36___Against_0__Abstain_0___

MOTION

- 802.1 confirms the election of Glenn Parsons as 802.1 WG Vice-Chair.
- Proposed: congdon
- Seconded: gray
- For__35__Against_0__Abstain_1___

MOTION

- 802.1 confirms the appointment of Philippe Klein as 802.1 liaison to P1905.1.
- Proposed: stanton
- Seconded:
- For_31___Against__0_Abstain_5___

MOTION

- 802.1 approves the November 2011 and January 2012 minutes:

http://www.ieee802.org/1/files/public/minutes/2011-11-minutes-v2.pdf

http://ieee802.org/1/files/public/minutes/2012-01-minutes.pdf

Proposed: Gray Seconded: pannell

- Approved by acclamation

MOTION

- 802.1 resolves to hold pre-meeting(s) on the Monday morning of the July 2012 plenary session.
- Proposed: haddock
- Second: gray

  – Approved by acclamation

MOTION

- 802.1 resolves to hold an interim meeting in Santa Cruz, 10 To 13 September, hosted by Michael Teener/Broadcom
- Proposed: Teener
- Second: pannell
- For__19__Against__5_Abstain__9

Motions - Maintenance

MOTION

- Motion: Authorize teleconference meeting of the maintenance task group with access information to be sent to the 802.1 reflector 21 days prior.
- Proposed: Congdon
- Second: parsons
  - Approved by acclamation

MOTION

- 802.1 instructs the editor of P802.1Q Cor-2 (Tony Jeffree) to prepare a draft for WG balloting.
- Proposed: Congdon Second: thaler
- For: 25 Against: 0 Abstain: 1
-

Motions - AVB

MOTION

- Motion: The AVB TG will continue to have teleconferences weekly at 9AM (US Pacific) Wednesdays for AVB general topics. Access information will be sent to the 802.1 reflector immediately after the plenary.
- Proposed: Johas Teener
- Second: Pannell
- Approved by acclamation

Motion

- 802.1 requests EC approval to forward the P802.1Qbu (Frame preemption) PAR to NesCom.

- Proposed: Johas Teener
Second: Pannell

- For: 17 Against: 0 Abstain: 8

- EC Proposed: Jeffree Second: Thaler

- For: Against: Abstain:

Motion

- 802.1 requests EC approval to forward the P802.1Qbv (Scheduled traffic) PAR to NesCom.

- Proposed: Johas Teener
Second: Finn

- For: 21 Against: 0 Abstain: 7

- EC Proposed: Jeffree Second: Thaler

- For: Against: Abstain:

Motions - DCB

MOTION

- Authorize DCB teleconference with access information to be sent to the 802.1 reflector immediately after the plenary. The calls will be used to discuss possible new work.
  - 3 April 2012 and 12 June 2012
    8 AM – 10 AM (US Pacific)
- Proposed: thaler
- Second: gray

  Acclamation.

MOTION

- 802.1 requests EC approval to forward P802.1BR to RevCom
- Proposed: thaler
- Second: pelissier
- For__22__Against_0__Abstain__7__

- EC proposed: Jeffree Second: Thaler
- For____Against___Abstain____

MOTION

- 802.1 requests EC approval to forward P802.1Qbg to RevCom.
- Proposed: thaler
- Second: congdon
- For_28___Against_0__Abstain__1__

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____

Motions - Interworking

MOTION

- Motion: The Interworking TG will have teleconferences weekly at 8:30AM (US Pacific) Thursdays for ECMP for SPB.

- Proposed: Haddock

- Second: mack-crane
  - Approved by acclamation

MOTION

- 802.1 requests EC approval to submit P802.1aq to RevCom.

- Proposed: Haddock Second: Fedyk
- For_30___Against__0_Abstain__1__

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____

MOTION

- 802.1 requests EC approval to submit P802.1AXbk to RevCom.

- Proposed: Haddock Second: Messenger
- For__31__Against__0_Abstain__1__

- EC proposed: Jeffree Second: Thaler
- For____Against___Abstain____

MOTION

- 802.1 instructs the editor of P802.1AC (John Messenger) to prepare a draft for Sponsor balloting.
- Proposed: Haddock   Second: messenger
- For_31___Against_0__Abstain__0__

MOTION

- 802.1 requests EC approval to submit P802.1AC to Sponsor Ballot.

- Proposed: Haddock Second: Messenger
- For_29___Against_0__Abstain__1__

- EC proposed: Jeffree Second: Thaler
- For____Against___Abstain____

Motion

- 802.1 requests EC approval to forward the P802.1AX-REV (Link Aggregation) PAR to NesCom.

- Proposed: Haddock
  Second: Finn

- For__28__Against_0__Abstain_2___

- EC proposed: Jeffree   Second: Thaler

- For____Against___Abstain____

MOTION

- 802.1 authorizes the editor of P802.1AX-REV (Norm Finn) to prepare a draft for Task Group balloting.
- Proposed: Haddock   Second: Finn
- For 30 Against 0 Abstain 0

MOTION

- 802.1 approves the liaison response to liaison-ietf-BFD-over-LAG-0312.
- Proposed: Haddock   Second: Gray
- For 17 Against 0 Abstain   2

MOTION

- 802.1 approves the liaison to IETF regarding exchange of information about work items that affect the forwarding of MAC frames.

- Proposed: Haddock   Second: mack crane

- For 17 Against 0   Abstain   0

Motions - Security

As required to request/ authorize:

- 802.0 forward P802.1AEbw and P802.1Xbx PARs to NesCom

- 802.1 Security TG telecon's to prepare drafts and resolve ballot comments on P802.1AEbw and P802.1Xbx

- P802.1AEbw editor, M. Seaman, to prepare draft for WG balloting

- P802.1Xbx editor, M. Seaman, to prepare draft for TG and WG balloting

NOTE: Start of balloting will be contigent on NesCom PAR approval.An illustrative draft of P802.1AEbw has already been prepared as part of PAR discussion. The TG feels it is appropriate to move straight to WG balloting.

MOTION

- 802.1 requests EC approval to forward the PAR for P802.1AEbw (MAC Security: Amendment— Extended Packet Numbering) to Nescom.
- Proposed: Seaman Second: Congdon
- For__22__Against__0_Abstain__6__

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____
-

MOTION

- 802.1 requests EC approval to forward the PAR for P802.1Xbx (Port-Based Network Access Control: Amendment: — MAC Security Key Agreement protocol (MKA) extensions) to Nescom.
- Proposed: Seaman Second: Congdon
- For__25__Against__0_Abstain__6__

- EC proposed: Jeffree   Second: Thaler
- For____Against___Abstain____

MOTION

- 802.1 instructs the editor of P802.1AEbw (Mick Seaman) to prepare an initial and subsequent drafts. The Chair is authorized to submit the project for Working Group balloting once the PAR is approved.
- Proposed: Seaman Second: Congdon
- For: 16 Against: 0   Abstain: 12

MOTION

- 802.1 instructs the editor of P802.1Xbx (Mick Seaman) to prepare an initial and subsequent drafts. The Chair is authorized to submit the project for Task Group balloting, and, once the PAR is approved, Working Group balloting.
- Proposed: Seaman Second: Congdon
- For: 16 Against: 0   Abstain: 10

MOTION

- 802.1 authorizes the chair of the Security TG, Mick Seaman, to hold conference calls (subject to notice of at least 21 days to the 802.1 email exploder) to prepare drafts and resolve ballot comments on P802.1AEbw (MAC Security: Amendment— Extended Packet Numbering) and P802.1Xbx (Port-Based Network Access Control: Amendment: — MAC Security Key Agreement protocol (MKA) extensions)

- Proposed: Seaman Second: Congdon

- For: 16   Against: 0   Abstain: 9

Motions – O&A

MOTION

- 802.1 authorizes the Overview & Architecture editor (James Gilb) to develop a further draft for WG recirculation balloting. On successful completion of WG balloting, the Chair is authorized to conduct an EC ballot to request approval for forwarding to Sponsor ballot.

- Proposed: Gilb Second: Gray

- For: 23 Against: 0 Abstain: 5

Motions – Any others?