

# 802.1 Plenary - 03/2011

## Singapore

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

Ao, Ting

Bao, Wanqun

Bottorff, Paul

Brandner, Rudolf

Carlson, Craig

Congdon, Paul

Desanti, Claudio

Ding, Zhemin

Eastlake, 3rd, Donald

Farkas, Janos

Fedyk, Donald

Finn, Norman

Ganga, Ilango

Garner, Geoffrey

Ghanwani, Anoop

Gray, Eric

Gunther, Craig

Haddock, Stephen

Jeffree, Anthony

Keen, Hal

Kim, Yongbum

Klein, Philippe

Krause, Michael

li, lin

Lynch, Jeff

Mack-Crane, Ben

Messenger, John

Morris, John

Multanen, Eric

Olsen, David

Pannell, Donald

Parsons, Glenn

Pelissier, Joseph

Randall, Karen

Romascanu, Dan

Rouyer, Jessy

Saltsidis, Panagiotis

Seaman, Michael

Sharma, Rakesh

Shimizu, Takeshi

Sprecher, Nurit

Stanton, Kevin

Sultan, Robert

Teener, Michael

Thaler, Patricia

Wu, Chien-Hsien

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

Boiger, Christian  
Gumaste, Ashwin  
Hayakawa, Hitoshi  
Kleineberg, Oliver  
Martin, David

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

An, Yafan

Ashwood-Smith, Peter

Bond, David

Bragg, Nigel

Carlin, Timothy

Goodwin, Michele

Gravel, Mark

GU, Yingjie

Kim, Taeun

Kjendal, David

Lemon, John

Pearson, Mark

Raeber, Rene

Tumuluri, Chait

# 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



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  - 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.
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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](mailto: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.**

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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 2011:
  - Santa Fe, NM, 9-12 May 2011  
<http://www.ieee802.org/1/files/public/docs2011/nfinn-may-2011-interim-0211-v5.pdf>
- September 2011:
  - Proposed meeting in Nanjing, 19-22 September, hosted by Ben Mack-Crane/Huawei  
<http://ieee802.org/1/files/public/docs2011/admin-mackcrane-sep11-nanjing-meeting-0311.pdf>
- January 2012:
  - Potential repeat of Hawaii (Kauai) meeting?
  - <http://ieee802.org/1/files/public/docs2011/admin-eastlake-jan12-kauai-meeting-0311.ppt>

# JTC1 Ad-Hoc Info for 802.1

- Paul Congdon

# Background

- JTC1 Ad-Hoc supports the IEEE 802 and IEEE 802.11 liaisons with JTC1/SC6
- Recent events have involved 802.1 standards
- Relevant documents for this discussion are available on 802.11 web-site:
  - Document 311:  
<https://mentor.ieee.org/802.11/dcn/11/11-11-0311-02-0jtc-march-agenda.ppt>
  - Document 442:  
<https://mentor.ieee.org/802.11/dcn/11/11-11-0442-01-0jtc-liaison-to-sc6-related-to-802-1x-ae.docx>



# Situation

- The Chinese NB has made proposals at the London SC6 meeting to create ISO alternative standards for:
  - 802.11 – new PHY and MAC (NuFront)
  - 802.1X – proposal is based on TePA (IWNCOMM)
  - 802.1AE – proposal is TLSec (IWNCOMM)
  - 802.16 security – proposal is TAAA (IWNCOMM)
- It was proposed that SC6 start Study Periods to examine these proposals. However, the documents were submitted too late to start Study Periods
- IEEE 802 delegation being formed to liaise with SC6 on these topics
  - Bruce Kraemer elected as head of delegation
- Liaison letter drafted to respond to the proposals
- June 20<sup>th</sup> SC6 meeting in San Diego. IEEE 802.1 Security TG participation needed.

# NB Submitted Proposals

Members of 802.1 Security Task Group reviewed the contributions to ISO/IEC JTC1 SC6 promoting a replacement to 802.1X/AE

They concluded the contribution was misleading and inaccurate

- *... comments on IEEE Std 802.1AE-2006/IEEE Std 802.1X-2010 are either inaccurate or could be misleading in a number of major respects particularly when presented those who are not familiar with the current state of the art of both bridging and security technology*



N14402  
802.1AE



N14399  
802.1X

# 802.1 Actions

- Determine if drafts amendments should be included with liaison letter to SC6
  - 802.1AEbn
  - Are any of the comments related to changes in AEbn?
- Determine 802.1 members for delegation
  - Contact Bruce Kraemer  
[bkraemer@marvell.com](mailto:bkraemer@marvell.com)

# Maintenance

- First meeting of the Maintenance TG happened on Monday
- Maintenance system now live

# TG reports

# PAR actions needed

- The following PARs time out this year:
  - P802 (O&A)
  - P802.1aq (Shortest Path Bridging)
- Will need PAR extension requests in July

# (IN)Sanity check – current workload

1. 802 O&A – WG ballot. PAR to Dec '11
2. 802.1Q-REV – Sponsor ballot/RevCom. PAR to Dec '12
3. 802.1AC – MAC Service – WG ballot. PAR to Dec '12
4. 802.1aq – Shortest Path – WG ballot. PAR to Dec '11
5. 802.1Qaz – ETS – Sponsor ballot. PAR to Dec '12
6. 802.1BA – AVB Systems – Sponsor ballot. PAR to Dec '12
7. 802.1Qbb – PFC – Sponsor ballot. PAR to Dec '12
8. 802.1Qbc – Remote Customer Service Interface – Sponsor ballot - PAR to Dec '13
9. 802.3bd – MAC control frame – Sponsor ballot - PAR to Dec '13
10. 802.1Qbe – MIRP – Sponsor ballot - PAR to Dec '13
11. 802.1Qbf – PBB-TE infrastructure protection – Sponsor ballot - PAR to Dec '13
12. 802.1Qbg – Edge Virtual Bridging – WG ballot. PAR to Dec '13
13. 802.1Qbh – Bridge Port Extension – WG ballot. PAR to Dec '13
14. 802.1AXbk – Link Agg addressing – WG ballot. PAR to Dec '14
15. 802.1AEbn – MAC sec cypher suite extensions – Sponsor ballot. PAR to Dec '15
16. 802.1Qbp – ECMP – PAR submitted.
17. 802.1AXbq – DRNI – PAR pre-circulated to EC for July.

# Motions



# MOTION

- 802.1 approves the November 2010 and January 2011 minutes:

<http://www.ieee802.org/1/files/public/minutes/2010-11-minutes.pdf>

<http://www.ieee802.org/1/files/public/minutes/2011-01-minutes.pdf>

- Proposed: mack-crane Seconded: thaler
- Approved by acclamation

# MOTION

- 802.1 resolves to hold pre-meeting(s) on the Monday morning of the July 2011 plenary session.
  - Proposed: haddock
  - Second: mack-crane
- Approved by acclamation

# MOTION

- 802.1 resolves to hold an interim meeting in September 2011, week of 19-22 , in Nanjing, hosted by Ben Mack-Crane/Huawei.
- Proposed: Mack-Crane
- Second: Eastlake
  - Approved by acclamation

# Motions - Maintenance

# MOTION

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

# Motions - Security

# MOTION

- 802.1 requests EC approval to forward P802.1AEbn (MAC Security: Amendment— GCM-AES-256 Cipher Suite) to Sponsor ballot.
- Proposed: Congdon    Second: Eastlake
- For: 21    Against: 0    Abstain: 6
- EC proposed: Jeffree    Second: XXX
- For:    Against:    Abstain:

# MOTION

- 802.1 authorizes the Security Task Group to hold teleconferences (subject to notice of at least 21 days to the 802.1 email exploder) to consider the comments received during P802.1AEbn Sponsor Balloting
- Proposed: Congdon Second: Lynch
- Approved by acclamation



# MOTION

- 802.1 authorizes the Security TG to arrange a liaison meeting with SC6 JTC1 representatives and to authorize teleconferences to consider such liaison, both subject to the usual 21 day notification rule.
- Proposed: Congdon Second: Lynch
- For: 29 Against: 0 Abstain: 1

# Motions - DCB

# MOTION

- Motion: Authorize the following teleconferences with access information to be sent to the 802.1 reflector immediately after the plenary.
  - Qaz ad hoc weekly 10 AM (US Pacific) Thursdays.
    - This call will be held as needed for comment resolution on az recirculations
  - EVB ad hoc weekly 8 AM (US Pacific) Tuesdays.
- Proposed: thaler
- Second: bottorf
  - Approved by acclamation

# MOTION

- The editor of 802.1Qbg, Tony Jeffree, to prepare a further draft. The Chair is authorized to submit the project for Working Group balloting.
- Proposed: Thaler
- Second: bottorff
  - For: 34
  - Against: 0
  - Abstain: 0

# MOTION

- 802.1 authorises the Chair to pre-circulate two draft PARs/5C to be prepared during the May interim :
  - a modification for P802.1Qbh to cover only the changes to 802.1Q to support operating as a Controlling Bridge and
  - a new PAR for the rest of the existing Port Extension work.
- Proposed: thaler
- Second: pelissier
  - For: 33
  - Against: 0
  - Abstain: 2

# MOTION

- The editor of 802.1Qbh, Joe Pelissier, is instructed to prepare drafts based on the split of the project per comment resolution at the March plenary. The Chair is authorized to submit the drafts for Working Group balloting.
- Proposed: thaler
- Second: pelissier
  - For: 31
  - Against: 0
  - Abstain: 5

# MOTION

- 802.1 requests conditional approval from the EC to submit 802.1Qaz to RevCom.
  - Conditional on success of both the 802.1Q-Rev and 802.1Qaz recirculations
- Proposed: thaler
- Second: desanti
  - For: 34 Against: 1 Abstain: 0
- EC proposed: Jeffree Second: XXX
- For: XX Against: XX Abstain: XX

# MOTION

- 802.1 requests conditional approval from the EC to submit 802.1Qbb to RevCom.
  - Conditional on success of the 802.1Q-Rev and 802.1Qaz recirculations
- Proposed: thaler
- Second: desanti
  - For: 37 Against: 0 Abstain: 1
- EC proposed: Jeffree                      Second: XXX
- For: XX    Against: XX                      Abstain: XX



# MOTION

- 802.1 requests conditional approval from the EC to submit 802.3bd to RevCom.
  - Conditional on success of the 802.1Q-Rev and 802.1Qaz recirculations
- Proposed: thaler
- Second: desanti
  - For: 31 Against: 0 Abstain:1
- EC proposed: Jeffree                      Second: XXX
- For: XX Against: XX                      Abstain: XX

# 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: Teener
- Second: Pannell
  - Approve 23 disapprove 1 abstain 5

# Motion

- 802.1 requests EC approval to forward P802.1BA to Sponsor ballot.
- Proposed: Teener Second: Gunther
- For: 27 Against: 1 Abstain: 4
- EC proposed: Jeffree Second: XXX
- For: XX Against: XX Abstain: XX

# Motion

- 802.1 authorizes the AVB TG to develop a draft amendment PAR/5C for enhancements to 802.1AS at the May Interim meeting and authorizes the Chair to pre-submit the PAR/5C to the EC in time for the July Plenary.
- Proposed: teener Second: garner
- For: 29 Against: 0 Abstain: 4

# Motion

- 802.1 authorizes the AVB TG to develop a draft corrigendum PAR for 802.1AS corrections at the May Interim meeting and authorizes the Chair to pre-submit the PAR to the EC in time for the July Plenary.
- Proposed: teener Second: garner
- For: 26 Against: 0 Abstain: 2

# Motions - Interworking

# MOTION

- 802.1 requests conditional approval from the EC to submit 802.1Q-Rev to RevCom.
- Proposed: Haddock Second: mack-crane
- For: 38 Against: 0 Abstain: 1
- EC proposed: Jeffree Second: XXX
- For: XX Against: XX Abstain: XX



# MOTION

- 802.1 requests approval from the EC to submit the P802.1Qbp draft PAR to NesCom.
- Proposed: Haddock Second: mack-crane
- For: 29 Against: 1 Abstain: 5
- EC proposed: Jeffree Second: XXX
- For: XX Against: XX Abstain: XX

# MOTION

- 802.1 instructs the editor of P802.1aq (Don Fedyk) to prepare a further draft. The Chair is authorized to submit the project for further Working Group recirculation balloting.
- Proposed: Haddock Second: Fedyk
- For: 33 Against: 0 Abstain: 3

# MOTION

- 802.1 requests conditional approval from the EC to submit 802.1Qbc to RevCom.
  - Conditional on success of the 802.1Q-Rev recirculation and the 802.1Qbc recirculation.
- Proposed: Haddock Second: Mack-Crane
- For: 29 Against: 0 Abstain: 1

# MOTION

- 802.1 requests conditional approval from the EC to submit 802.1Qbe to RevCom.
  - Conditional on success of the 802.1Q-Rev recirculation and the 802.1Qbe recirculation if necessary.
- Proposed: Haddock Second: finn
- For: 25    Against: 0    Abstain: 3

# MOTION

- 802.1 requests EC approval to submit 802.1Qbf to Sponsor Ballot.
- Proposed: Haddock Second: Sultan
- For: 23 Against: 0 Abstain: 4
- EC proposed: Jeffree Second: XXX
- For: XX Against: XX Abstain: XX

# MOTION

- 802.1 instructs the editor of P802.1AXbk (John Messenger) to prepare a draft for Working Group recirculation balloting.
- Proposed: Haddock Second: messenger
- For: 30 Against: 0 Abstain: 0

# MOTION

- 802.1 instructs the editor of P802.1AC (John Messenger) to prepare a draft for further Working Group recirculation balloting.
- Proposed: Haddock    Second: Messenger
- For: 25    Against: 0    Abstain: 3

# MOTION

- Motion: The Interworking TG will have teleconferences weekly at 8:30AM (US Pacific) Thursdays for ECMP for SPB.
- Proposed: sajassi
- Second: mack-crane
  - For: 22
  - Against: 1
  - Abstain: 6



## MOTION

- 802.1 authorizes the Interworking TG to develop a response to the ITU-T Q9/15 liaison LS-277 regarding E-OTN requirements during the May Interim meeting. The Chair will conduct an email ballot of the resulting document.
- Proposed: Haddock Second: mack-crane
- For: 24 Against: 0 Abstain: 5

## MOTION

- 802.1 approves the liaison letter responding to the ITU-T Q9/15 liaison LS-288 regarding MAC Purge requirements:
- <http://www.ieee802.org/1/files/public/docs2011/liaison-nfinn-802-to-sg15-re-288-0311-v6.pdf>
- Proposed: Haddock Second: Finn
- For: 33 Against: 0 Abstain: 2

## MOTION

- 802.1 approves the liaison letter responding to the IETF liaison regarding TRILL re-chartering:
- <http://www.ieee802.org/1/files/public/docs2011/liaison-response-to-ietf-re-trill-0311.pdf>
- Proposed: Haddock Second: fedyk
- For: 28 Against: 0 Abstain: 7

Motions – Any others?