

# 802.1 Plenary - 11/2010

## Dallas, Tx

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 file naming conventions page at:

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

# The following are 802.1 voters:

Alon, Zehavit  
Ao, Ting  
Bottorff, Paul  
Brandner, Rudolf  
Carlson, Craig  
Congdon, Paul  
Crupnicoff, Diego  
Dabagh, Alireza  
Desanti, Claudio  
Ding, Zhemin  
Eastlake, 3rd, Donald  
Eiriksson, Asgeir  
Farkas, Janos  
Fedyk, Donald  
Finn, Norman  
Fuller, John  
Garner, Geoffrey  
Ghanwani, Anoop  
Goetz, Franz

Gray, Eric  
Gunther, Craig  
Haddock, Stephen  
Hazarika, Asif  
Jeffrey, Anthony  
Jones, Girault  
Keen, Hal  
Kidambi, Jayakrishna  
Kilaru, Srikanth  
Kim, Yongbum  
Klein, Philippe  
Krause, Michael  
Kumar, Vinod  
Kwan, Bruce  
Li, Lin  
Luo, Yuanqiu

Lynch, Jeff  
Mack-Crane, Ben  
Menuchehry, Menu  
Messenger, John  
Morris, John  
Multanen, Eric  
Olsen, David  
Parsons, Glenn  
Pannell, Donald  
Pelissier, Joseph  
Randall, Karen  
Roese, Josef  
Rohde, Derek  
Romascanu, Dan  
Rouyer, Jessy

Saltsidis, Panagiotis  
Seaman, Michael  
Seto, Koichiro  
Sharma, Rakesh  
Shimizu, Takeshi  
Sprecher, Nurit  
Stanton, Kevin  
Sultan, Robert  
Teener, Michael  
Thaler, Patricia  
Unbehagen, Paul  
Weis , Brian  
Wu, Chien-Hsien  
Yan, Peter

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

Bao, Wanqun

Ganga, Ilango

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

Bond, David

Bragg, Nigel

Carlin, Timothy

Godbole, Avanindra

Goodwin, Michele

Gravel, Mark

GU, Yingjie

Hudson, Charles

Kamath, Daya

Kim, Taeun

Kjendal, David

Pearson, Mark

Raeber, Rene

Savarda, Raymond

Shao, Hong

Wang, Xi

# 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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- 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.**

-----  
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

- January 2011:

- Don Eastlake to host a meeting in Kauai, Hawaii  
10th-13<sup>th</sup>

Updated slides on the website here:

<http://www.ieee802.org/1/files/public/docs2010/admin-eastlake-jan11-kauai-1110-v1.pdf>

- May 2011:

- Santa Fe sponsored by Norm Finn/Cisco week of 9<sup>th</sup>  
May

# IEEE 802.1 Maintenance Process

- Paul Congdon

# Topics

- Review of 802.3 system
- 802.1 Needs
- Next Steps



# Review of 802.3 process

- Process described at: <http://www.ieee802.org/3/maint/process/process.pdf>
- Maintenance Task Force
  
- Step 1 – Scope
  - Determine if in scope – not a new feature request
  - TF decisions are confirmed by WG
- Step 2 – Errata or Change
  - Errata in 802 are specific. Published text differs from approved text. Publish errata sheet
  - Changes needed are bugs to fix. Require WG ballot process.
  - TF determines priority for changes – Raise Corrigendum project or roll into next revision
- Step 3 – Complete Request
  - Assure change is well documented
  - Ready request for balloting process
- Step 4 – Ballot process of Change
  - Change requests are included in an official project
  - Normal ballot process

# Submitting a Request

- Any WG member can submit a request
  - Submission form linked to password protected page
  - Generates email to maintenance mail reflector
  - Request form includes:
    - Reference standard, clause, page, line number
    - Proposed Changed Text
    - Rational for change
    - Impact on Existing Networks
- Maintenance TF works with submitter to vet request and track
- System for tracking status of requests
- <http://www.ieee802.org/3/maint/index.html>

# 802.1 Needs

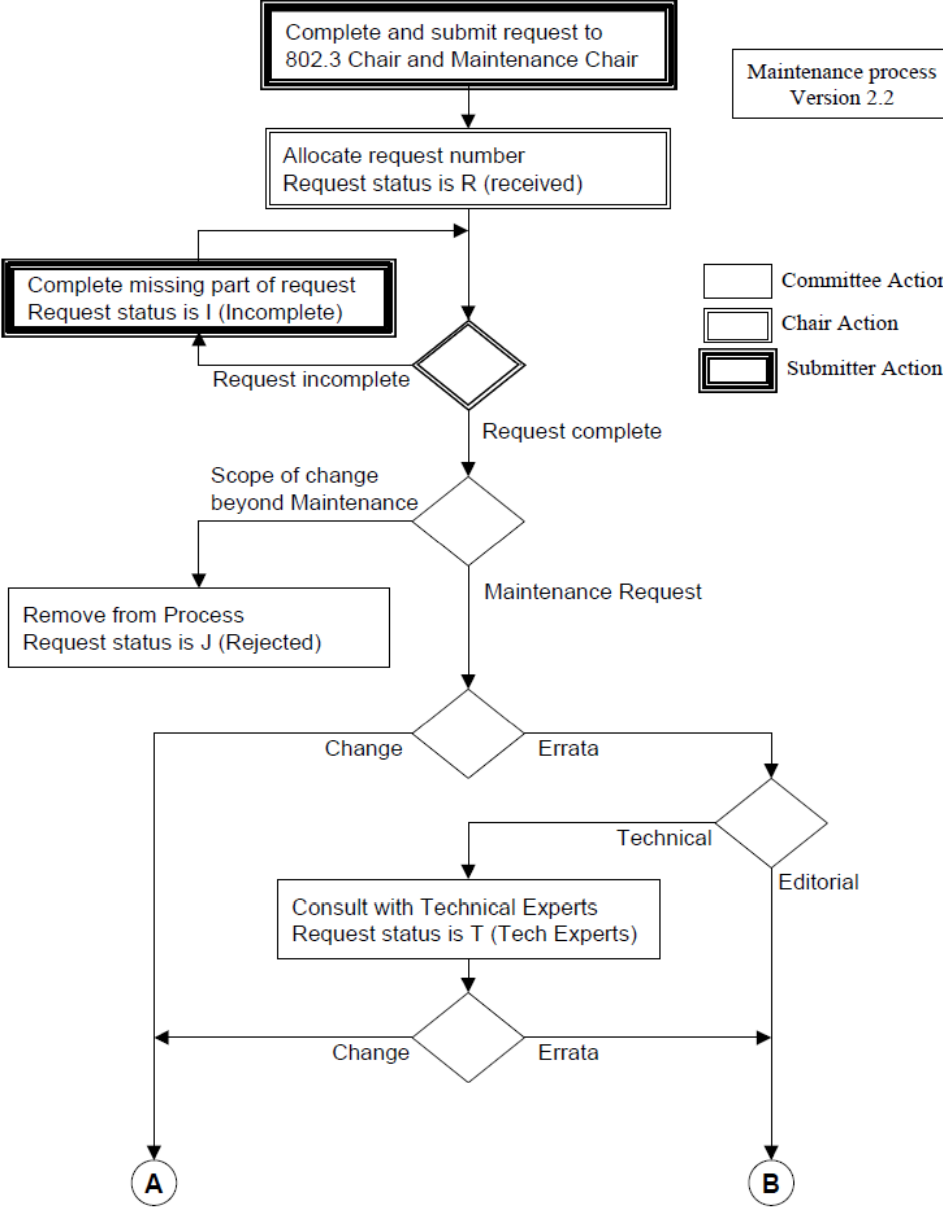
- Current 802.1 Maintenance process
  - We have an ‘Interpretations’ page that tracks requests and responses
  - No other formal process for Errata or Changes
- Same needs as 802.3, perhaps fewer motions to vet requests

# Next Step Proposals

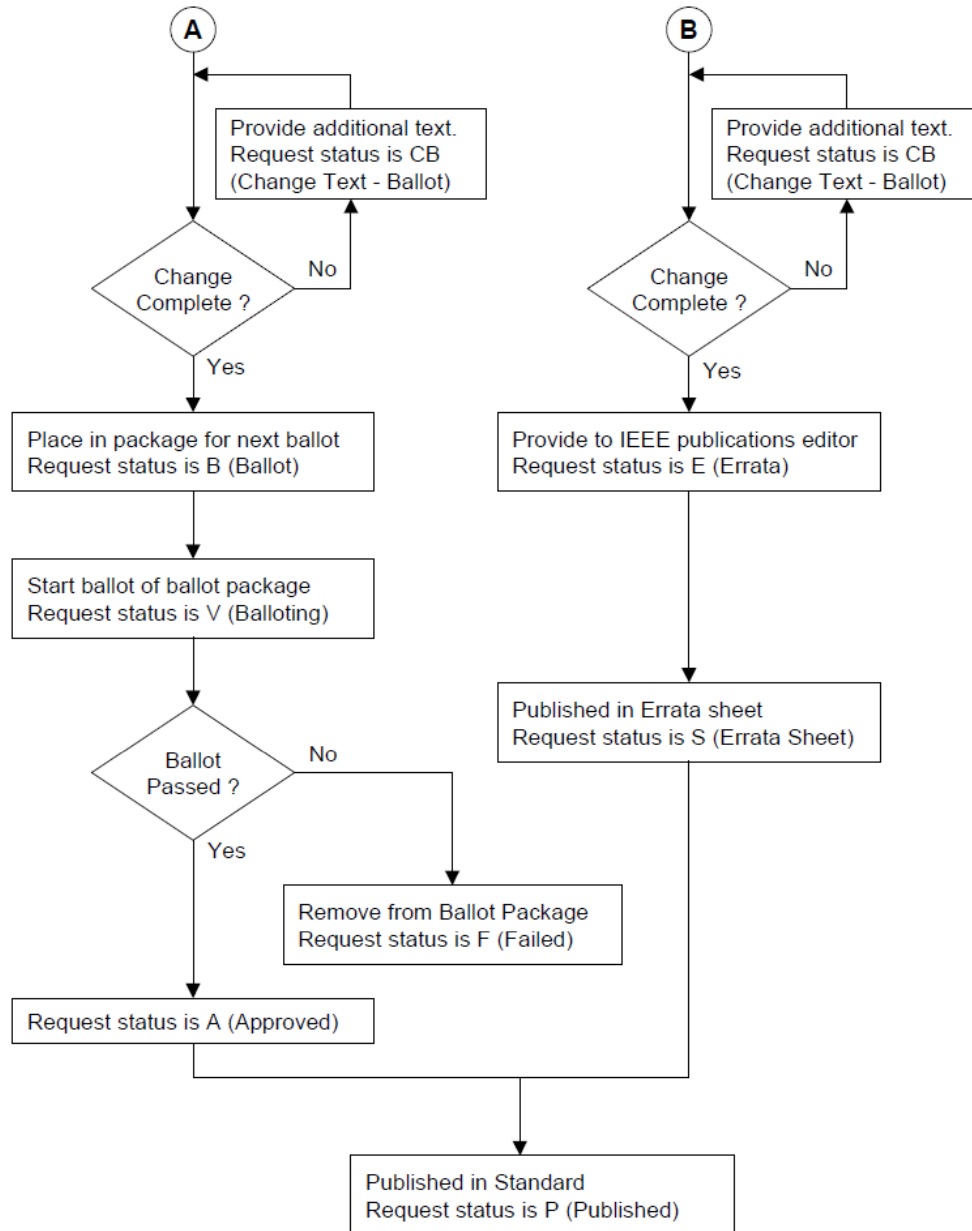
- Evaluate change requirements to Web pages
- Consider formation of 802.1 Maintenance TF
- Document 802.1 process – lifting heavily from 802.3
- Target March 2011 for creation of TF and process launch

Backup

# 802.3 Process Flow



# 802.3 Process Flow (cont)



## 802.3 Process Flow (request status)

Symbol	Status
A	Approved in ballot
B	Awaiting Ballot
CB	Awaiting additional change text – Ballot
CE	Awaiting additional change text – Errata
E	Errata, ballot not required
F	Failed in ballot
I	Incomplete
J	Rejected
P	Published in Standard
R	Request received
S	Published in Errata Sheet
T	Awaiting Technical experts
V	Balloting
W	Withdrawn

**Status Information Index**



# Proposed Publication Changes

- Glenn Parsons
- November 2010

# Several proposals in discussion

- Revision/Reaffirmation in 5 years
  - Change to 10 years
- IEEE Get 802 v2
  - Currently \$\$\$ from publication, free after 6 months
  - Change to \$1 always
- Edition
  - Currently possible, but undocumented
  - Change to include in rules

# What is an edition?

- An edition is currently an editorial combination of the last revision of a standard and all current amendments, corrigendum and errata
- Currently, an edition is produced strictly at the option of the publication department **and** is not balloted.
  - 802.1Q has maintained editions for many years

# Editions Goal

- Reduce burden on WGs
- Reduce burden on staff
- Increase usability of standards for users

...by

- Formalizing the usage of editions
- Modifying existing rules to leverage

# Current process

- Revision required after (starting from approval or reaffirmation date)
  - More than 3 amendments in 3 years
  - 3 amendments within 3-5 years
  - 5 years with no amendments
    - Unless a reaffirmation is chosen

# Possible ways to formalize editions

1. Ballot edition for amendment
2. Ballot amendment and publish edition
3. Publish unballoted edition after 3 years or 3 amendments

# 1. Ballot Edition for Amendment

- Define edition
- Sponsor ballot on edition
- Remove 3 Amendment/3 year revision rule
- No change to revision required in 5 years

## 2. Ballot Amd, Publish Edition

- Define edition
- Sponsor ballot on change instruction Amendment
  - Publication as edition
- Retain 3 Amendments/3 year revision rule
- No change to revision required in 5 years



## 3. Edition after 3 years or 3 Amd

- Define edition
- No change to Sponsor ballot
- Change 3 Amendment/3 year rule
  - Create & publish edition as an editorial exercise (without balloting)
    - After 3 years if there are at least 3 Amendments
    - After 3 Amendments in 3-5 years
- No change to revision required in 5 years

802.1 view?

# ISO/IEC SC6 – China NB contribution

- <http://www.ieee802.org/1/files/public/docs2010/liaison-isosc6-n14402-nb-of-china-contribution-tion-on-lan-security-0910.pdf>
- Would be good to be able to provide the other SC6 national bodies with appropriate refutation

# TG reports

# (IN)Sanity check – current workload

1. 802 O&A – WG ballot. PAR to Dec '11
2. 802.1Q-REV – Sponsor ballot. 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. 802.1AS (Time synch) – Sponsor ballot. PAR to Dec '10
6. 802.1Qaz – ETS – Sponsor ballot. PAR to Dec '12
7. 802.1BA – AVB Systems – WG ballot. PAR to Dec '12
8. 802.1Qbb – PFC – Sponsor ballot. PAR to Dec '12
9. 802.1Qbc – Remote Customer Service Interface – Sponsor ballot - PAR to Dec '13
10. 802.3bd – MAC control frame – Sponsor ballot - PAR to Dec '13
11. 802.1Qbe – MIRP – Sponsor ballot - PAR to Dec '13
12. 802.1Qbf – PBB-TE infrastructure protection – WG/Sponsor ballot - PAR to Dec '13
13. 802.1Qbg - Edge Virtual Bridging – TG/WG ballot PAR to Dec '13
14. 802.1Qbh - Bridge Port Extension – TG/WG ballot PAR to Dec '13
15. 802.1AXbk – Link Agg addressing – TG ballot PAR to Dec '14
16. 802.1AEbn – MAC sec cypher suite extensions – PAR submitted

# Motions

# MOTION

- 802.1 approves the July 2010 and September 2010 minutes:

<http://www.ieee802.org/1/files/public/minutes/2010-07-minutes.pdf>

<http://www.ieee802.org/1/files/public/minutes/2010-09-minutes-v02.pdf>

- Proposed: Gray Seconded: congdon
- For Against Abstain Approved by affirmation

# MOTION

- 802.1 resolves to hold pre-meeting(s) on the Monday morning of the March 2011 plenary session.
- Proposed: Haddock
- Second: mack-crane
  - For:   Against:   Abstain:
  - Approved by affirmation



# MOTION

- 802.1 resolves to hold an interim meeting in May 2011, week of 9<sup>th</sup>, in Santa Fe, hosted by Norm Finn/Cisco.
- Proposed: Finn
- Second: mack-crane
  - For:    Against:    Abstain:
  - Approved by affirmation

# Motions - Interworking

## MOTION

- 802.1 approves the liaison letter responding to the ITU-T Q9/15 liaison LS-197 regarding E-OTN requirements:
- <http://www.ieee802.org/1/files/public/docs2010/>
- Proposed: Haddock Second:
- For: 19 Against: 0 Abstain: 3

## MOTION

- 802.1 approves the liaison letter responding to the IETF liaison (email #7629) regarding L2VPN OAM containing:
- <http://www.ieee802.org/1/files/public/docs2010/liaison-response-to-IETF-L2VPN-OAM-1110.pdf>
- Proposed: Haddock Second: finn
- For: 21 Against: 0 Abstain: 4

# MOTION

- 802.1 requests approval from the EC to submit 802.1Q-Rev to Sponsor Ballot.
- Proposed: Haddock Second: Messenger
- For: 23 Against: 0 Abstain: 0
- EC proposed: Jeffree Second: XXX
- For: XX Against: XX Abstain: XX

# MOTION

- 802.1 requests approval from the EC to submit 802.1D Reaffirmation to RevCom.
- Proposed: Haddock Second: Messenger
- For: 23 Against: 0 Abstain: 1
- 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 balloting.
- Proposed: Haddock    Second: Fedyk
- For: 22    Against: 0    Abstain: 1

# MOTION

- 802.1 instructs the editor of P802.1Qbe (Norm Finn) to prepare a further draft for Sponsor recirculation balloting.
- Proposed: Haddock Second: finn
- For: 15 Against: 0 Abstain: 7



# MOTION

- 802.1 instructs the editor of P802.1Qbf (Bob Sultan) to prepare a further draft for Working Group recirculation balloting.
- Proposed: Haddock    Second:
- For: 20    Against: 1    Abstain: 4

# MOTION

- 802.1 authorizes the Chair to request an EC ballot for approval to submit 802.1Qbf to Sponsor Ballot, following successful completion of WG recirculation.
- Proposed: Haddock Second: congdon
- For: 17 Against: 0 Abstain: 6
- 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 balloting.
- Proposed: Haddock    Second: messenger
- For: 20    Against: 0    Abstain: 3

# 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: 16    Against: 0    Abstain: 3

# MOTION

- 802.1 authorizes the drafting of a PAR and 5 criteria at the January interim meeting for a project specifying Resilient Network Interconnect, and precirculating this to the EC prior to the March 2011 plenary.
- Proposed: Haddock Second: Messenger
- For: 16    Against: 0    Abstain: 5

# MOTION

- Motion: The Interworking TG will have teleconferences weekly at 7AM (US Pacific) Tuesdays for network interconnect resiliency.
- Proposed: finn
- Second:
  - For: 13
  - Against: 0
  - Abstain: 5

# MOTION

- Motion: The Interworking TG will have teleconferences weekly at 8:30AM (US Pacific) Thursdays for ECMP for SPB.
- Proposed: sajassi
- Second:
  - For: 12
  - Against: 0
  - Abstain: 6

# Motions - Security



# MOTION

- 802.1 requests EC approval to forward the PAR for P802.1AEbn (MAC Security: Amendment— GCM-AES-256 Cipher Suite) to Nescom.
- Proposed: Seaman Second: Congdon
- For: 13 Against: 0 Abstain: 5

# MOTION

- 802.1 instructs the editor of P802.1AEbn (Mick Seaman) to prepare an initial and subsequent drafts. The Chair is authorized to submit the project for Working Group balloting.
- Proposed: Seaman Second: Congdon
- For: 11 Against: 0 Abstain: 6

# MOTION

- 802.1 authorizes the chair of the Security TG, Mick Seaman, to hold conference calls (subject to notice of at least 30 days to the 802.1 email exploder) to resolve ballot comments on P802.1AEbn (GCM-AES-256)
- Proposed: Seaman Second: Congdon
- For: 10 Against: 0 Abstain: 7

# 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 10AM (US Pacific) Thursdays.
    - This call will be held as needed for comment resolution on az recirculations
  - EVB ad hoc weekly 11AM (US Pacific) Tuesdays.
    - This time may be adjusted following a 30-day notice to the reflector.
- Proposed: thaler
- Second: congdon
  - For: 14
  - Against: 0
  - Abstain: 3

# MOTION

- The editor of 802.1Qbg, Tony Jeffree, to prepare a further draft. The Chair is authorized to submit the project for Task and Working Group balloting.
- Proposed: Thaler
- Second: congdon
  - For: 15
  - Against: 0
  - Abstain: 3

# MOTION

- The editor of 802.1Qbh, Joe Pelissier, is instructed to prepare a further draft. The Chair is authorized to submit the project for Task and Working Group balloting.
- Proposed: thaler
- Second: pelissier
  - For: 10
  - Against: 0
  - Abstain: 7

# MOTION

- 802.1 authorises the Chair to pre-circulate a draft PAR/5C modification for P802.1Qbh, to be prepared during the January interim.
- Proposed: thaler
- Second: congdon
  - For: 12
  - Against: 0
  - Abstain: 3



# Motions - AVB

# MOTION

- Motion: The AVB TG will continue to have teleconferences weekly at 9AM (US Pacific) Wednesdays for AVB general topics and 10AM (US Pacific) Mondays for 802.1AS specific topics. Access information will be sent to the 802.1 reflector immediately after the plenary.
- Proposed: garner
- Second:
  - For: 8
  - Against: 0
  - Abstain: 10

# Motion

- 802.1 requests EC conditional approval to forward P802.1AS to RevCom following satisfactory completion of Sponsor recirculation balloting.
- Proposed: garner Second:
- For: 9 Against: 0 Abstain: 3
- EC proposed: Jeffree Second: XXX
- For: XX Against: XX Abstain: XX

Motions – Any others?