

# IEEE 802 Plenary Meeting

March 2012, Hawaii, US

## 802.1 Meeting Minutes, 12-15 March 2012

### Attendees

<i>Last Name</i>	<i>First Name</i>	<i>Middle Name</i>	<i>Affiliation</i>
Bickford	Charles		Enterasys Networks, Inc. Deggendorf University of Applied Sciences, Hirschmann Automation & Control
Boiger	Christian		Dell
Booth	Brad		Hewlett-Packard Development Company, L.P.
Bottorff	Paul		Nokia Siemens Networks
Brandner	Rudolf		Accton Technology Corporation
Catlin	Jeffrey		Huawei Technologies Co. Ltd
Chang	Xin		Hewlett-Packard Development Company, L.P.
Congdon	Paul		National Instruments Corporation
Cummings	Rodney		Cox Communications Inc.
Dai	Eugene		Huawei R&D USA
Eastlake, 3rd	Donald		Ericsson
Farkas	Janos		Alcatel-Lucent
Fedyk	Donald		Cisco Systems, Inc.
Finn	Norman		802.1 IEEE Working Group for Data Center Bridging (DCB) Task Group (TG)
Flaherty	Stephen		Extreme Networks
Fredette	Andre		Dell
Ghanwani	Anoop		Siemens AG
Goetz	Franz		Hewlett-Packard Development Company, L.P.
Gravel	Mark		Ericsson AB
Gray	Eric		huawei
Gu	Hwers		Harman International
Gunther	Craig		Stephen Haddock Consulting, LLC
Haddock	Stephen		Hitachi, Ltd.
Hayakawa	Hitoshi		Robert Bosch GmbH
Hogenmueller	Thomas		802.1 IEEE Working Group
Huang	Lu		HP, Broadcom
Jeffree	Anthony		General Motors Company
Jochim	Markus		Apple, Inc.
Jones	Girault		Fujitsu
Joshi	Mandar		Allied Telesis
Kaku	Shinkyō		IBM
Kamath	Daya		Broadcom Corporation
Kim	Yongbum		Broadcom Corporation
Klein	Philippe		Hirschmann Automation and Control, Inc.
Kleineberg	Oliver		Huawei Technologies Co. Ltd
Mack-Crane	Thomas		ADVA Optical Networking Ltd.
Messenger	John		802.1 IEEE Working Group
Moldovansky	Anatoly		Apple, Inc.
Mora	Matthew		

Multanen	Eric		Intel Corporation
Nakagawa	Yukihiro		Fujitsu Laboratories Limited
Nickel	Patrick		Robert Bosch GmbH
Olsen	David		Harman International Industries, Incorporated
Pannell	Donald		Marvell Semiconductor, Inc.
Parsons	Glenn		Ericsson AB
Pelissier	Joseph		Cisco Systems, Inc.
Raeber	Rene		Cisco Systems, Inc.
Rouyer	Jessy		Alcatel-Lucent
Sajassi	Ali		Cisco Systems, Inc.
Saltsidis	Panagiotis		Ericsson AB
Seto	Koichiro		Hitachi Cable
Sharma	Rakesh		IBM
Shukla	Pankaj		Juniper Networks, Inc.
Stanton	Kevin	B	Intel Corporation
Tanaka	Jun		Fujitsu Laboratories Limited
Teener	Michael	Johas	Broadcom Corporation
Thaler	Patricia		Broadcom Corporation
Ting	Ao		ZTE Corporation
Touve	Jeremy		Alcatel-Lucent
Triess	Burkhard		ETAS GmbH
Unbehagen	Paul		Avaya Inc.
Vissers	Maarten		Huawei Technologies Co. Ltd
Wei	Yuehua		ZTE Corporation
Weibel	Hans		Zurich University of Applied Sciences
Winkel	Ludwig		Siemens AG
Xiao	Min		ZTE Corporation

## Opening Plenary (Monday, 12 March, 2012)

The Chair (Tony Jeffree) presented the opening plenary slides. See Tony's opening plenary slides at:

<http://www.ieee802.org/1/files/public/minutes/2012-03-opening-plenary-slides.pdf>

General information is here:

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

The Chair reviewed general administrative information, including meeting "decorum" (or rules - including the policy on recording and/or reporting of meetings), hotel and meeting room security, 802.1 officers, web-site and access information, eligible voters, etc. See slides for details.

Chair and Vice-Chair elections will take place during the closing plenary. As of the start of the opening plenary, candidates for Vice-Chair were Glenn Parsons and John Messenger. Tony Jeffree was the only candidate for Chair.

The Chair covered slides on IEEE-SA recommended policy statements to be reviewed at least once a day during meetings this week. These slides included:

- Instructions to WG (and TG) Chairs
- Participants, Patents and Duty to Inform
- Patent Related Links
- Call for Potentially Essential Patents
- Compliance with applicable laws, including anti-trust/competition
- TG Chairs were reminded of the need to review this information daily

The Chair asked if there was anyone who was prepared to make any statement(s) with respect to any potentially essential patents.

There was no response to the call for patents.

The Chair reviewed the schedule for future Interim meetings, which included:

- May, 2012 (York, UK – 15-18 May)
- September, 2012 (possibly in Santa Cruz, CA – 10-13 September)
- January, 2013 (proposal for Kauai – either 14-17 or 22-25 January)

John Messenger gave an update on the upcoming May (2012) interim meeting in York, UK. His presentation may be found at:

<http://www.ieee802.org/1/files/public/docs2012/admin-messenger-may12-york-meeting-0112-v01.pdf>

Donald Eastlake gave a presentation on a proposal to have the January (2013) interim meeting in Kauai, Hawaii. His presentation may be found at:

<http://www.ieee802.org/1/files/public/docs2012/admin-eastlake-jan-kauai-meeting-0311.ppt>

The Chair summarized the Executive Committee meeting. See opening plenary slides for additional information and details.

Opening Plenary slides are available at:

<http://www.ieee802.org/1/files/public/minutes/2012-03-opening-plenary-slides.pdf>

Highlights of the Executive Committee meeting:

- Memorials for Jim Carlo and Don Loughry
- EC member election process
- JTC ad hoc update
- EC polls on meeting organization
- Network RFC issued, awaiting contract
- Future venues
- 802 task force meeting on Thursday, 10 AM to Noon
- \$5 fee for IEEE 802 Standards
- Discussion of how ITU attendees would (or would not) pay attendance fees.
- Treasurer's Report
- E-Tools, student outreach, O&A and P&P updates
- Appeal against EC on handling of 802.15.6 (hearing in July meeting)
- EC meetings for the week

Liaisons:

- P1905.1 Liaison Appointment (Philippe Klein)
- Joint meetings
  - 802.11 :: 802.1 SC6 issues – 1 :30 PM Tuesday-Thursday
  - All of 802.1 – 1:30 PM Tuesday
  - AVB :: 802.3 – 9 :00-10 :30 AM Wednesday
  - AVB :: 802.11 – 8-12:30 Thursday
- Various external liaison contributions (6 ITU-T, 1 IETF)

802.1 PARs

- 802.1AX-rev
- 802.1Qbu
- 802.1AEbw
- 802.1Xbx
- 802.1Qbv

Other working group PARs

- 802.3bk
- 802.21d
- 802.15.4n
- 802.15.4p
- 802.15.8

PAR information is available at <http://grouper.ieee.org/groups/802/PARs.shtml>.

802.1Q Revision and 802.1D roll-up

- 802.1Q revision needed toward the end of 2014
- 802.1D due for revision in 2014
- May complete roll-up and withdraw 802.1D

Paul Congdon talked about Maintenance TG Agenda

- Will meet at 4 PM on Wednesday (in Kings 1) – 802.1Q corrigendum comment resolution
- No meeting on Tuesday (as originally scheduled)
- <http://www.ieee802.org/1/files/public/docs2012/maint-congdon-session-0312-v1.pdf>

The opening plenary slides contain a report on maintenance activities and status.

Steve Haddock presented the preliminary Interworking TG Agenda

- <http://www.ieee802.org/1/files/public/docs2012/admin-interworking-agenda-0312-v1.pdf>

Pat Thaler presented the preliminary DCB Agenda

- 802.1BR comment resolution Monday PM
- Other work to do?

Michael Johas Teener presented the preliminary AV Agenda

- ASbt and AS-Rev this afternoon
- PAR discussion on Wednesday

The Chair announced that afternoon meetings would start at 2:15 PM.

Meeting adjourned at 1:15 PM.

# Task Group Minutes

## Interworking minutes

### Monday, 12 March

Meeting called to order at 9:00am.

Stephen Haddock presented the preliminary agenda for the week.

Stephen Haddock presented patent policy slides. No response to the call for patents.

Stephen Haddock reviewed the liaisons received for consideration at this meeting. One was received from the IETF regarding interaction between BFD and Link Aggregation, and will be discussed during the 802.1AX-REV portion of the agenda. Six liaisons were received from ITU-T Study Group 15. The first five were “for information” or “for comment” and do not appear to require a response. The final liaison (ols-378) is “for action” by the ITU-T classification. There may be further discussion of this liaison following the new work presentations towards the end of the week.

Incoming liaisons:

<http://www.ieee802.org/1/files/public/docs2012/liaison-ietf-BFD-over-LAG-0312.pdf>

<http://www.ieee802.org/1/files/public/docs2012/liaison-itut-sg15-ls380-0312.zip>

<http://www.ieee802.org/1/files/public/docs2012/liaison-itut-sg15-ols-349-0312.zip>

<http://www.ieee802.org/1/files/public/docs2012/liaison-itut-sg15-ols-363-0212.zip>

<http://www.ieee802.org/1/files/public/docs2012/liaison-itut-sg15-ols-364-0212.zip>

<http://www.ieee802.org/1/files/public/docs2012/liaison-itut-sg15-ols-366-0212.zip>

<http://www.ieee802.org/1/files/public/docs2012/liaison-itut-sg15-ols-378-0312.doc>

**802.1aq SPB:** Don Fedyk reported on the Sponsor ballot recirculation for 802.1aq-d4.5 Shortest Path Bridging. The ballot passed with no “disapprove” ballots. A single comment was received from the IEEE Editor stating that the draft has met all of the IEEE requirements. Two comments were submitted to the editor from a non-voter. One of these was a typographical error that can be corrected by the IEEE Editor during the publication process. The other comment was clarification of protocol behavior that, while correct, was not considered essential for this amendment. It will be submitted as a comment to 802.1bp since it is more significant for ECMP. The conclusion is that Sponsor ballot has successfully completed. It is anticipated that there will be a motion during the 802.1 Closing Plenary to forward 802.1aq to NESCOM.

**802.1ac MAC Service Definition:** John Messenger presented an editor’s report and conducted comment resolution on the Working Group recirculation ballot for 802.1ac-d1.5 MAC Service Definition. The ballot passed with 100% approval. There were 8 editorial comments received.

Some of these will result in changes to be listed on a cover letter for Sponsor ballot, anticipating a motion at the 802.1 Closing Plenary to begin Sponsor ballot:

<http://www.ieee802.org/1/files/public/docs2012/ac-messenger-editor-report-0212-v04.pdf>

<http://ieee802.org/1/files/private/ac-drafts/d1/802-1ac-d1-5-dis-v2.pdf>

Break at 10:25am for the 802.1 Opening Plenary.

Interworking Task Group called to order at 2:00pm.

**802.1AXbq/AX-Rev DRNI:** A PAR to modify the 802.1AXbq project to become an 802.1AX-Revision project has been pre-circulated to the 802 Executive Committee in anticipation of a motion during the closing plenary to submit this PAR to NesCom. There was a Task Group ballot following the January Interim based on a draft that was generated as an 802.1AX revision starting with 802.1AX-2007, as modified by 802.1AXbk, and adding the material from the 802.1AXbq drafts. Norm Finn conducted comment resolution for this ballot:

<http://ieee802.org/1/files/private/ax-rev-drafts/d0/802-1AX-REV-d0-1-pdis-v1.pdf>

Adjourn at 6:10pm.

## Tuesday, 13 March

Meeting called to order at 9:00am.

Stephen Haddock gave the call for patents. There was no response to the call for patents.

**802.1AXbq/AX-Rev DRNI:** Lu Huang, Norm Finn, and Maarten Vissers gave presentations on DRNI:

- <http://www.ieee802.org/1/files/public/docs2012/AX-REV-huang-DRNI-on-L3-devices-0312-v00.ppt>
- <http://ieee802.org/1/files/public/docs2012/axbq-nfinn-drni-IBEB-choices-0212-v03.pdf>
- <http://www.ieee802.org/1/files/public/docs2012/axrev-vissers-drni-portal-models-0312-v2.pptx>

Norm posted the following contribution, however there was not time to present it:

- <http://ieee802.org/1/files/public/docs2012/axrev-nfinn-drni-IBEB-nfinn-model-0212-v01.pdf>

Break at 12:25 pm.

Joint meeting of the Interworking, AVB, and DCB Task groups began at 1:30pm

**AVB:** Markus Jochim and Oliver Kleineberg gave presentations on the requirements for AVB Gen 2:

- <http://www.ieee802.org/1/files/public/docs2012/new-avb-jochim-redundancy-requirements-GM-perspective-AVB2-0312.pdf>
- <http://www.ieee802.org/1/files/public/docs2012/at-kleineberg-avb-fault-tolerance-continuation-0312-v3.pdf>

Ben Mack-Crane gave a presentation on how SPB could be used for AVB Gen 2:

- <http://www.ieee802.org/1/files/public/docs2012/new-mackcrane-service-abstraction-0312.pdf>

Paul Unbehagen gave a presentation regarding work items in the IETF that may be of interest to this group:

- <http://www.ieee802.org/1/files/public/docs2012/new-unbehagen-spb-extensions-for-ietf-issues-0312.pdf>

Adjourn at 6:00pm.

## **Wednesday, 14 March**

Meeting called to order at 9:00am.

Stephen Haddock presented patent policy slides. No response to the call for patents.

**802.1Qbp ECMP:** Ben Mack-Crane conducted comment resolution on the task group ballot for 802.1Qbp-d0.2 SPBM Equal Cost MultiPath.

- <http://www.ieee802.org/1/files/public/docs2012/bp-mackcrane-editor-report-0312.pdf>
- <http://www.ieee802.org/1/files/private/bp-drafts/d0/802-1bp-d0-2-pdis.pdf>

Break at 12:15 pm.

Resume at 1:30pm

**Liaison:** Stephen Haddock led a discussion on possible responses to the liaison received from the IETF regarding BFD and Link Aggregation. Solicited volunteers to prepare a draft response for discussion on Thursday.

**802.1Qbp ECMP:** Ben Mack-Crane continued comment resolution on the first task group ballot for 802.1Qbp-d0.1 SPBM Equal Cost MultiPath.

Adjourn at 3:50pm. (The Maintenance Task Group meeting convened at 4:00pm)

## **Thursday, 15 March**

Meeting called to order at 9:00am.

Stephen Haddock presented patent policy slides. No response to the call for patents.

**802.1Qbp ECMP:** Straw Polls taken on how to structure the ECMP standard:

- Should ECMP be a stand-alone standard as opposed to an amendment to 802.1Q (requires a PAR change)? Yes: 8 No: 12
- Should a component supporting ECMP be given a new component type name as opposed to being described as a S-VLAN Component or B-Component with ECMP capability? Yes: 7 No:10
- Should a port supporting the flow filtering tag be given a new port type name as opposed to being described as a CBP or PNP with the ability to process Flow Filter tags? Yes: 2 No: 8



**New Work:** Janos Farkas and Ben Mack-Crane gave presentations on ideas for new work proposals related to SPB (the second from Janos is also relevant to the multipoint-protection-switching liaison received from ITU-T-SG15):

- <http://ieee802.org/1/files/public/docs2012/new-farkas-spb-te-0312.pdf>
- <http://ieee802.org/1/files/public/docs2012/new-farkas-spb-multipoint-resilience-0312.pdf>
- <http://ieee802.org/1/files/public/docs2012/new-mackcrane-SPB-futures-0312.pdf>

**Liaison:** Stephen Haddock presented draft text that had been contributed for liaisons. The first, contributed by Norm Finn and Eric Gray, was a proposed response to the liaison from the IETF regarding BFD. The second, contributed by Ben Mack-Crane and Paul Unbehagen, was a new liaison to the IETF suggested by Paul's presentation on Tuesday for the purpose of exchanging a list of ongoing or proposed projects in each group that relate to MAC bridging. The authors will revise the drafts according to the discussion and present them for approval during the closing plenary.

There was no draft text for a response to the liaison from the ITU-T regarding multipoint protection switching, nor was there much time for discussion. Maarten Vissers did post a slide deck on the subject which was not presented.

- <http://www.ieee802.org/1/files/public/docs2012/new-vissers-multipoint-ec-protection-0312.pptx>

Adjourn at 12:30pm

## **DCB Minutes**

### **Monday, 12 March, PM**

The Task Group Chair (Pat Thaler) appointed Eric Gray to take meeting minutes.

The Chair reviewed IEEE 802 policies, including the patent policy, and issued a call for essential patents.

There was no response to the call for patents.

The Chair reported that P802.1Qbg and P802.1BR recirculations completed with 100% approval. Each had a comment from the editor that editorial coordination requirements had been met. P802.1BR had 4 additional comments. Comment resolution was conducted by Joe Pelissier and all 4 will be passed to the IEEE editor for consideration in preparing the draft for publication. The Chair asked if there were any objection to requesting P802.1Qbg and P802.1BR be sent to RevCom for approval.

We had a discussion of the "Network Virtualization Overlays (NVO)" work that is being proposed in the IETF. The draft charter for the work can be found at:

- <http://www.ietf.org/mail-archive/web/nvo3/current/msg00024.html>

Internet drafts of a problem statement and requirements document are available at:

- <http://tools.ietf.org/html/draft-narten-nvo3-overlay-problem-statement>
- <http://tools.ietf.org/html/draft-kreeger-nvo3-overlay-cp>

This work relates to use of virtual machines in large-scale multi-tenancy data-center applications. The Chair pointed out that the description of the requirements for a VN Connect/Disconnect Notification was very similar to the capabilities of VDP.

The differences are that filter formats in VDP identify the Virtual Network by VN-ID (Group ID in 802.1Qbg) rather than a longer VN Name and support carrying MAC addresses but not IP addresses. Additional filter formats could be defined that address these differences. We discussed likely steps and a strategy for ensuring that the "right thing gets done in the right place."

Initial steps include having a number of us attend the BoF at the next IETF meeting (25-30 March, 2012). At some point we will probably want to have an Internet Draft that provides a "gap analysis" between VDP and VN Attach/Detach protocol requirements and how the gaps might be resolved.

Rakesh Sharma talked about issues that he feels are exposed by EVB. There were no slides and Rakesh indicated that he is just looking for feedback on the issues and proposals as to what - if anything - needs to be done about them.

The Chair then talked about future meetings and conference call proposals. The plan suggested was to have a couple of conference calls timed to allow us to be as certain as possible that we would (or would not) need to hold a DCB meeting in May and/or July - early enough to make plans accordingly, but late enough to ensure a minimum likelihood of late arrival of issues that might need to be addressed at a face-to-face meeting.

The dates proposed were: April 3rd and June 12th.

The chair asked if there were any objections to this plan. There were none.

The chair reminded attendees to register their attendance, and adjourned the meeting.

## **AVB Meeting Minutes**

### **Monday, 12 March**

Meeting opened at 2:15 PM

Chair showed slides #1 through #4 of the IEEE patent policy

No one identified patent claims or potential patent claims when offered the opportunity.

Reviewed agenda

Andre Fredette presented the "802.1AS Corrigendum"

- <http://www.ieee802.org/1/files/private/as-cor-1-drafts/d1/802-1AS-cor-1-d1-1.pdf>

Franz Goetz presented on industrial requirements for synchronization

- <http://www.ieee802.org/1/files/public/docs2012/bt-goetz-ext-industrial-req-0312-v1.pdf>

## Tuesday, 13 March

Meeting opened at 9:00

IEEE Patent Policy reminder by The Chair

Rodney Cummings presented Industrial SRP

- <http://www.ieee802.org/1/files/public/docs2012/new-avb-cummings-engineered-nonengineered-0312-v2.pdf>

Andre presented on future MSRP changes

- <http://www.ieee802.org/1/files/public/docs2012/new-avb-afredette-msrp-improvements-0313.pdf>

Christian Boigier presented Preemption and scheduled traffic

- <http://www.ieee802.org/1/files/public/docs2012/new-avb-boiger-preemption-scheduled-traffic-impact-on-srp-0312.pdf>

## Wednesday, 14 March

Tony Jeffree led discussion of 802.1Qbu and 802.1Qbv PAR comments. Documents available for review:

- <http://ieee802.org/1/files/public/docs2012/new-p802-1qbu-draft-par-0312-v01.pdf>
- <http://ieee802.org/1/files/public/docs2012/new-p802-1qbu-draft-5c-0312-v01.pdf>
- <http://ieee802.org/1/files/public/docs2012/new-p802-1qbv-draft-par-0312-v01.pdf>
- <http://ieee802.org/1/files/public/docs2012/Qbv-pannell-draft-5C-0112-v03.pdf>

Marcus Jochim presented automotive perspectives and requirements

- <http://www.ieee802.org/1/files/public/docs2012/new-avb-jochim-redundancy-requirements-GM-perspective-AVB2-0312.pdf>

Philippe presented on CSN networks and control protocols

Don led discussion of assumptions

## Thursday, 15 March

Joint meeting with 802.11aa

Adjourn

## Maintenance Meeting Minutes

### Tuesday, 6 March

The chair read the patent policy and made the call for patents. There were no responses to the call for patents.

General items

- Paul is finished after March. Will assist in training on maintenance process
- Q - Cor - 2 would like to go to WG ballot after the Hawaii meeting, so we will close the door on all new items going into this draft after the meeting.

- The current plenary maintenance meeting is scheduled for Tuesday night, but with the light schedules in DCB and Interworking, we will target a day meeting.

Review of status:

- 6 new maintenance items since January
- Sponsor ballots for Qbg, aq are likely to go to RevCom after next meeting closing several items.
- Another TG ballot for Q - cor - 2 was completed and several comments were addressed.

New items were discussed in detail (see slides and web site for details). Several from Maarten will be considered for a future revision of Q and may require significant restructuring, but only to add clarifications.

Open items were reviewed and updated. See the slides and web - site for details and discussion.

A few text proposals will be reviewed at the plenary.

## **Thursday, 14 March**

The chair reminded the TG of the patent policy and made the call for patents. There were no responses to the call.

We continued to process the status updates.

- Anoop proposed text for 0021. The note was presented and agreed to as documented on the web - site. This may need some word-smithing.
- Steve Haddock proposal for 0025. The group agreed to insert a Note that clarifies that connection\_identifier is a 1:1 mapping and not learning is implied.
- Agreement on path for 0027. The group agreed to proceed with the current recommendation documented in the maintenance item itself
- Ben Mack - Crane proposed text for 0029. The port creation text for the T - Component is much more complex than initially anticipated. The enumeration in the MIB is most important so we will include that change and the T - Component creation sub - clause (trivial), but not add the port creation text.
- We agreed to leave 0023 and 0026 in the 'Received' state and Maarten will consider a future contribution to progress these or cause them to be withdrawn/rejected.

Tony resolved the ballot comments on the last TG ballot of Q-Cor-2.

## Closing Plenary (Thursday, March 15, 2012)

Closing Plenary slides are available at:

<http://www.ieee802.org/1/files/public/minutes/2012-03-closing-plenary-slides.pdf>

The Chair (Tony Jeffree) led discussion of the following items:

- Material already covered in the opening plenary
  - Officers (no change)
  - New upload area: access via <http://ieee802.org/1/filenaming.html>
  - Voter status (see slides)
- Patent policy and call for potentially essential patents – no response
- Future Interim meetings
  - May, 2012:
    - York, UK - 9-12 May 2012 -  
<http://ieee802.org/1/files/public/docs2011/admin-messenger-may12-york-meeting-1111-v01.pdf>
  - September, 2012:
    - Proposed meeting in Santa Cruz, CA, 19-22 September, hosted by Michael Johas Teener -  
<http://www.ieee802.org/1/private/email2/msg18313.html>
  - January, 2012 (and possibly future January meetings) 9-12 January or the week after
    - Don Eastlake proposed a new meeting in Kauai, Hawaii
    - <http://ieee802.org/1/files/public/docs2012/admin-eastlake-jan-kauai-meeting-0311.ppt>
    - Vote on weeks on January
      - 9-12th: 21
      - 16th – 19th: 30
      - Neither: 2
  - September, 2013:
    - Possible joint meeting with 802.3 in China
- Project status (In)Sanity check – current workload review (see slides)
- Task Group reports were given for the following areas (see individual task group minutes above for details):
  - Interworking
  - AVB
  - DCB

- Maintenance
- Chair/Vice-Chair elections
  - Terms and other information is included in the closing plenary slides
  - Results:
    - Chair – Tony Jeffree
    - Vice-Chair – Glenn Parsons was elected
      - Glenn Parsons – 29
      - John Messenger - 7

## ***Motions***

### ***General 802.1***

- Confirm the election of Tony Jeffree as 802.1 WG Chair
  - For – 36      Against – 0    Abstain – 0
- Confirm the election of Glenn Parsons as 802.1 WG Vice-Chair
  - For – 35      Against – 0    Abstain – 1
- Confirm the appointment of Philippe Klein as 802.1 liaison to P1905.1
  - For – 31      Against – 0    Abstain – 5
- Approve the minutes from November 2011 and January 2012 meetings
  - <http://www.ieee802.org/1/files/public/minutes/2011-11-minutes-v2.pdf>
  - <http://www.ieee802.org/1/files/public/minutes/2012-01-minutes.pdf>
  - Acclamation
- Hold pre-meeting(s) on Monday Morning at the July Plenary meeting
  - Acclamation
- 802.1 will hold an Interim meeting 10-13 September 2012, in Santa Cruz, CA
  - For – 19      Against – 5    Abstain – 9

### ***Maintenance***

- Authorize teleconference meeting of the maintenance task group with access information sent to the reflector 21 days prior.
  - Acclamation
- Prepare a new draft of P802.1Q-Cor-2 for WG balloting
  - For – 25    Against – 0    Abstain – 1

### ***AVB***

- Continue weekly teleconference meetings of the AVB task group

- Acclamation
- Request EC approval to forward the P802.1Qbu PAR to NesCom
  - For – 17 Against – 0 Abstain – 8
- Request EC approval to forward the P802.1Qbv PAR to NesCom
  - For – 21 Against – 0 Abstain – 7

### ***DCB***

- Authorize teleconference meeting of the DCB task group with access information sent to the reflector immediately after the plenary.
  - Acclamation
- Request EC approval to forward P802.1BR to RevCom
  - For – 22 Against – 0 Abstain – 7
- Request EC approval to forward P802.1bg to RevCom
  - For – 28 Against – 0 Abstain – 1

### ***Interworking***

- Authorize teleconference meetings of the Interworking task group at 8:30 AM (US PT) Thursdays for ECMP for SPB
  - Acclamation
- Request EC approval to forward P802.1aq to RevCom
  - For – 30 Against – 0 Abstain – 1
- Request EC approval to forward P802.1AXbk to RevCom
  - For – 31 Against – 0 Abstain – 1
- Prepare a new draft of P802.1AC for Sponsor Balloting
  - For – 31 Against – 0 Abstain – 0
- Request EC approval to forward P802.1AC to Sponsor Ballot
  - For – 29 Against – 0 Abstain – 1
- Request EC approval to forward the P802.1AX-REV PAR to NesCom
  - For – 28 Against – 0 Abstain – 2
- Prepare a draft of P802.1AX-REV for Task Group Balloting
  - For – 30 Against – 0 Abstain – 0
- Approve the liaison response to liaison-ietf-BFD-over-LAG-0312
  - For – 17 Against – 0 Abstain – 2
- Approve the liaison to IETF regarding exchange of information about work affecting forwarding of MAC frames

- For – 17    Against – 0    Abstain – 0

## ***Security***

- Request EC approval to forward P802.1AEbw and P802.1Xbx PARs to NesCom
  - P802.1AEbw:    For – 22            Against – 0    Abstain – 6
  - P802.1Xbx:    For – 25            Against – 0    Abstain – 6
- Authorize teleconference meetings of the Security task group to prepare drafts and resolve ballot comments on P802.1AEbw and P802.1Xbx
  - For – 16    Against – 0    Abstain – 9
- Prepare a new draft of P802.1AEbw for WG balloting
  - For – 16    Against – 0    Abstain – 12
- Prepare an initial and subsequent drafts of P802.1Xbx for TG and WG balloting
  - For – 16    Against – 0    Abstain – 10

## ***Overview and Architecture***

- Prepare a new draft of the Overview & Architecture document for WG balloting
  - For – 23    Against – 0    Abstain – 5

**Closing Plenary adjourned**