

IEEE 802 Plenary Meeting
 July 2012, San Diego, California, US
802.1 Meeting Minutes, 16-19 July 2012

Attendees

<i>Last Name</i>	<i>First Name</i>	<i>Middle Name</i>	<i>Affiliation</i>
Arad	Carmi		Marvell Semiconductor, Inc.
Ashwood-Smith	Peter		Huawei Technologies Co. Ltd
Belopolsky	Yakov		Bel Fuse
Bickford	Charles		Enterasys Networks, Inc.
Boehlke	Kenneth		Summit Semiconductor
Boiger	Christian		Deggendorf University of Applied Sciences, Hirschmann Automation and Control
Booth	Brad		
Bottorff	Paul		Hewlett-Packard Development Company, L.P.
Bragg	Nigel		Ciena
Carlson	Craig		QLogic Corporation
Catlin	Jeffrey		Accton Technology Corporation
Chang	Xin		Huawei Technologies Co. Ltd
Cheng	Weiyang		Tellabs
Crupnicoff	Diego		Mellanox Technologies
Cummings	Rodney		National Instruments Corporation
Eastlake 3rd	Donald		Huawei R&D USA
Egan	John		Marvell Semiconductor, Inc.
Farkas	Janos		Ericsson
Fedyk	Donald		ALCATEL-LUCENT
Finn	Norman		Cisco Systems, Inc.
flaherty	stephen		802.1 IEEE Working Group for Data Center Bridging (DCB) Task Group (TG)
FREDETTE	ANDRE		Extreme Networks
Garner	Geoffrey		broadcom corporation, marvell semiconductor, siemens ag, hirschmann
Ghanwani	Anoop		Dell
Goetz	Franz		Siemens AG
Gray	Eric		Ericsson AB
Grow	Robert		RMG Standards Consulting, MOST Co-Operation
GU	HWERS		Huawei Technologies Co. Ltd
Gunther	Craig		Harman International
Haddock	Stephen		Stephen Haddock Consulting, LLC
Hagen	Mikkel		University of New Hampshire InterOperability Laboratory (UNH-IOL)

Hares	Susan	
Hayakawa	Hitoshi	Hitachi, Ltd.
Huang	Lu	802.1 IEEE Working Group
Jakovljevic	Mirko	TTTech Computertechnik AG
Jeffree	Anthony	HP, Broadcom
Jochim	Markus	General Motors Company
Johas Teener	Michael	Broadcom Corporation
Jones	Girault	Apple, Inc.
Joshi	Mandar	FUJITSU
	Yongbu	
Kim	m	
Kinnard	Brian	
Klein	Philippe	Broadcom Corporation
Kleineberg	Oliver	Hirschmann Automation and Control, Inc.
Lin	Zhi-Wei	Metropolitan Transportation Authority - New York City Transit
Lynch	Jeff	IBM
Mack-Crane	Thomas	Huawei Technologies Co. Ltd
McIntosh	James	Vitesse Semiconductor Corporation
Messenger	John	ADVA Optical Networking Ltd.
Moldovansky	Anatoly	Rockwell Automation
Morris	John	Spirent Communications
Multanen	Eric	Intel Corporation
Muyshondt	Henry	MOST Cooperation
		University of New Hampshire InterOperability Laboratory (UNH-IOL)
Noseworthy	Bob	
Pannell	Donald	Marvell Semiconductor, Inc.
Parsons	Glenn	Ericsson AB
Pearson	Mark	Hewlett-Packard Development Company, L.P.
Randall	Karen	NSA/IAD
Roese	Josef	Deutsche Telekom AG
Romascanu	Dan	Avaya Inc.
Rouyer	Jessy	ALCATEL-LUCENT
Sahabi	Hossein	FUJITSU
Sajassi	Ali	Cisco Systems, Inc.
Saltsidis	Panagiotis	Ericsson AB
Sathe	Satish	AMCC
Seaman	Michael	Individual
Seto	Koichiro	Hitachi Cable
Shimizu	Takeshi	FUJITSU
Stanton	Kevin	Intel Corporation
		University of New Hampshire InterOperability Laboratory (UNH-IOL)
Stewart	Aaron	
Tanaka	Jun	FUJITSU LABORATORIES LIMITED

Thaler	Patricia	Broadcom Corporation
Ting	Ao	ZTE Corporation
Touve	Jeremy	ALCATEL-LUCENT
Unbehagen	Paul	Avaya Inc.
Vissers	Maarten	Huawei Technologies Co. Ltd
Wadekar	Manoj	QLogic Corporation
Weber	Karl	ZHAW
Weis	Brian	Cisco Systems, Inc.
Xiao	Min	ZTE Corporation

Opening Plenary (Monday, 16 July, 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/2012-07-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.

Eric Gray having had airplane delay issues will not be able to arrive before 1 PM. Panos Saltisidis is to take opening Plenary meeting minutes.

For those staying at the Hyatt, complimentary access to the Hotel's network was provided using login information obtained on checking in.

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:

- September, 2012 (Santa Cruz, CA – 10-13 September)
- January, 2013
- May, 2013
- September, 2013

John Messenger read the deadlines for the September meeting from 802.1's web site.

Donald Eastlake was not in the room to provide more info on the January meeting.

Meetings this week:

- Christina Boyce (“Central Desktop Online Collaboration Tool”) at 11:30, 16 July
- Clint Powell press (802.15 mesh) at 12 PM, 16 July
- 802.1 tutorial?
 - Some discussion of this during May meeting
 - There is a need to educate the other groups as to what 802.1 is about these daysPotential for a tutorial in November?

The Chair summarized the Executive Committee meeting. See opening plenary slides for additional information and details. Items directly affecting this meeting were:

- Smart Grid ECSG – report on interim meeting on the ECSG webpage. Proposal to form a TAG
- Joint Coordinating Activity – Smart Grid & Home Networking: Will be on the ECSG agenda.
- JCT1/SC6-continuing ad-hoc meeting this week
- 1905.1: Update on current situation. Potential for 802 to become an entity member – discussion during the week.
- Future Venue Contracts: Slots open for 2015/3 (maybe Singapore), 2017/3&11, 2018/3&11. NNA meeting: July 2013 Geneva, March(?) 2015 Singapore, 2014: 1 slot still open (March).
- Geneva: Working on MOU. \$50K projected deficit which would mostly go away if we had no social. Possible saving if we reduce the number of buildings we use.
- John Messenger is confirmed as the IEEE ITU-T rep.
- Changes to EC reflector configuration
- Plenary meeting Host guidelines: being updated
- Single Copy sales: Top seller: 802.11. \$5 promotion still running.
- Standards production: continuing to speed up the production process.
- GET 802 program: still running, 802.11 most downloaded. 23480 downloads in June.
- E tools: Various updates/improvements. Central Desktop: Walk in sessions – Weds 10:30 – 11:30 and 1:30 – 2:30.
- Treasurer's report: 80K loss so far this year. Reserve 900K. 570 attendees in Hawaii therefore revenue way down. Expenses reduced as far as possible. Net loss 80K – about 14K more than budgeted. This meeting: probable break even. 796 attendees so far.
- Steinmetz award: Looking for suitable candidates.

Liaisons:

- Joint meetings
 - Tues 1:30pm – Interworking/DCB/AVB
 - Wed 8:30-10:30 AVB TG/802.3 – Preemption PAR review)
 - Thurs 8-10 AVB TG/802.11 - architectural issues
 - Thurs AM- Security TG/802.15

- Thurs 10:30 – noon – 1905.1 liaison presentation (Philippe Klein)
- One ITU- T liaison contrib. plus some left over from March?
- IEEE 802 JTC1 standing committee meetings
 - Tuesday PM1
 - Wednesday PM1
 - Thursday PM1
- Any others?
- Dan Romascanu: IETF has sent a response to the liaison that IEE802.1 has initiated reporting common projects of interest. The leadership will hold a joint-meeting on high level discussions on activities of joint interest

802.1Q Revision/802.1D roll-up

- We already have enough amendments to Q to force a revision at the end of 2014
- 802.D will be due for revision in 2014
- Time to finish rolling 802.1D into 802.1Q & withdraw 802.1D
- Will be further discussion during maintenance meeting Tues PM

802.1 PARs

802.1Q-rev, revision to 802.1Q, incorporate amendments & finish merge with 802.1D
 802.1AB Cor-1, fixes for maintenance items
 Withdraw P802.1AXbq PAR (subsumed by P802.1AX-REV)

Other WG PARs: None

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

Mick Seaman presented the preliminary Security TG Agenda

Steve Haddock presented the preliminary Interworking TG Agenda

Pat Thaler presented the preliminary DCB Agenda (probably just Tuesday morning)

- Network Virtualization Overlay
- IETF IEEE 802 leadership meeting

Craig Gunther, standing in for Michael Johas Teener who has not arrived yet, presented the preliminary AV Agenda

Glenn Parsons presented the preliminary Maintenance TG Agenda

Glenn Parsons mentioned that IEEE SA was sponsoring a book signature session on Thursday on the Shortest Path Bridging book by David Allen & Nigel Bragg

Meeting adjourned at 1:15 PM.

Task Group Minutes

Interworking minutes

Monday, 16 July

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.

802.1ac MAC Service Definition: The Sponsor recirculation ballot for 802.1AC-d2.1 MAC Service Definition completed with no new comments and no new negative ballots, so this project is essentially completed. The next step will be to request the Executive Committee submit the document to RevCom for approval as an IEEE 802 standard.

Stephen Haddock reviewed the liaisons received for consideration at this meeting. We received an email from the IETF asking if we had received the following liaisons: LS 358, LS 363, LS 364, and LS 366. The last three were received and discussed at the March 2012 plenary. They were “for information” and we had not planned on sending a response. The liaison LS 358, regarding the OTNT Standardization Work Plan, appears to have been missed. Interworking participants that are familiar with this document are asked to review the latest draft prior to the Thursday plenary session and propose a response from 802.1 if appropriate. Also, liaison LS 378 from ITU had been discussed and a draft response generated during the May interim. There will be a motion to send that on Thursday.

<http://ieee802.org/1/files/public/docs2012/liaison-itut-sg15-ols-358-0712.zip>

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

802.1Qbp ECMP: Ben Mack-Crane conducted comment resolution on the task group ballot for 802.1Qbp-d1.0 SPBM Equal Cost MultiPath.

<http://ieee802.org/1/files/private/bp-drafts/d1/802-1bp-d1-0-dis.pdf>

Break at 10:50am for the 802.1 Opening Plenary.

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

802.1AX-Rev DRNI: Norm Finn conducted comment resolution on the task group ballot for 802.1AX-REV-d0.2 Link Aggregation with Distributed Resilient Network Interconnect.

<http://ieee802.org/1/files/private/ax-rev-drafts/d0/802-1AX-REV-d0-2-dis-v1.pdf>

Adjourn at 6:10pm.

Tuesday, 17 July

Meeting called to order at 9:00am.

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

Norm Finn reported on a morning session on new work proposals for 802.11. Donald Eastlake gave a presentation suggesting 802.11 create a PAR to address the packet reflection problem for an 802.11 station bridge (among other things). Norm suggested 802.1 participants support the creation of this PAR and participate in establishing objectives and developing a solution.

802.1AXbq/AX-Rev DRNI: Steve Haddock gave a presentation on a proposed starting point for an Intra-Portal protocol and state machine. Norm Finn completed comment resolution on the task group ballot for 802.1AX-REV-d0.2:

<http://iee802.org/1/files/public/docs2012/axrev-haddock-rough-intra-portal-protocol-0712-v01.ppt>

Break at 12:25 pm.

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

AVB: Paul Unbehagen and Nigel Bragg gave a presentation regarding on using IS-IS for traffic control on 802.1 unicast/multicast networks:

<http://iee802.org/1/files/public/docs2012/new-unbehagen-bragg-SPB-TE-for-AVB-0712-v0.pdf>

Rodney Cummings reviewed a presentation given earlier in the AVB Task Group that proposes extensions to SPB-ISIS for dynamic configuration of scheduling windows:

<http://iee802.org/1/files/public/docs2012/Qbv-cummings-dynamic-config-0712-v1.pdf>

Markus Jochim and Oliver Kleineberg gave a presentation on support for seamless redundancy in AVB Gen 2:

<http://iee802.org/1/files/public/docs2012/new-avb-kleineberg-jochim-seamless-redundancy-0712>

Joint meeting ended and Interworking session resumed at 5:00pm

New Work: Henry Muyshondt gave a presentation proposing that a section be added to 802.1Q subclause 6.7 on using MOST as a media on a bridge.

<http://www.iee802.org/1/files/public/docs2012/new-Bridging-MOST-Muyshondt-Bridging-MOST-to-IEEE-Standards-0712.pdf>

Adjourn at 6:00pm.

Wednesday, 18 July

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 continued comment resolution on the task group ballot for 802.1Qbp-d1.0 SPBM Equal Cost MultiPath. John Messenger gave a presentation questioning whether the objectives of the ECMP project have changed since the start of the project, and whether some aspects of the project such as the flow tag and TTL are still necessary.

<http://ieee802.org/1/files/public/docs2012/bp-messenger-ecmp-directions-0712-v01.pdf>

Break at 12:45 pm.

Resume at 1:30pm

New Work: Tissa Senevirathne and Donald Eastlake gave a presentation on the framework for OAM on TRILL.

<http://ieee802.org/1/files/public/docs2012/liason-tissa-oam-ieee-trill-0712-v00.pptx>

Peter Ashwood-Smith gave a presentation on how 802.1 could help scale Software Defined Networking by using creating a source routed data plane:

<http://ieee802.org/1/files/public/docs2012/new-ashwood-sdn-optimizations-0712-v01.pdf>

802.1Qbp ECMP: Ben Mack-Crane continued comment resolution on the first task group ballot for 802.1Qbp-d1.0 SPBM Equal Cost MultiPath. Xiao Min gave a presentation regarding the use of including a reverse flow hash in loopback and linktrace protocols:

<http://ieee802.org/1/files/public/docs2012/bp-xiao-loopback-linktrace-0716.pptx>

Adjourn at 6:0pm.

AVB Meeting Minutes

Monday, 16 July

Monday PM

Meeting called to order at 2:30 PM.

Kevin Stanton presented patent policy slides. There was no response to the call for patents.

Geoffrey Garner conducted comment resolution on the task group ballot for 802.1AS-Cor-1/D1.2.

30 minutes

Presentation by Bob Noseworthy and Aaron Stewart of University of New Hampshire's InterOperability Lab, Maintenance and Interpretation Requests to 802.1

90 minutes

<http://www.ieee802.org/1/files/public/docs2012/avb-astewart-AVnu-UNH-IOL-MRP-MSRP-MVRP-Interpretation-Request.pdf>

Tuesday, 17 July

Tuesday AM

Rodney Cummings presented 802.1Qbv Dynamic Configuration of Scheduling Windows.
120 minutes

<http://www.ieee802.org/1/files/public/docs2012/Qbv-cummings-dynamic-config-0712-v1.pdf>

Franz-Josef Goetz presented Traffic Shaper for Control Data Traffic (CDT) @ Industry.
60 minutes

<http://www.ieee802.org/1/files/public/docs2012/new-goetz-CtrDataScheduler-0712-v1.pdf>

Tuesday PM

Meeting started at 1:30 PM. This was a joint meeting with the 802.1 Interworking task group.

Nigel Bragg and Paul Unbehagen presented Traffic Engineering for 802.1 Unicast/Multicast Networks.

60 minutes

<http://www.ieee802.org/1/files/public/docs2012/new-unbehagen-bragg-SPB-TE-for-AVB-0712-v0.pdf>

Rodney Cummings summarized 802.1Qbv Dynamic Configuration of Scheduling Windows.

15 minutes

Markus Jochim and Oliver Kleineberg presented Support for Seamless Redundancy in AVB 2.

90 minutes

<http://www.ieee802.org/1/files/public/docs2012/new-avb-kleineberg-jochim-seamless-redundancy-0712>

Wednesday, 18 July

Wednesday AM

Meeting started at 8:30 AM. This was a joint meeting with the 802.3 working group.

Michael Johas Teener presented Goals for Ethernet Links in 802.1Qbu Networks.
10 minutes

<http://www.ieee802.org/1/files/public/docs2012/bu-mjt-bu-goals-for-ethernet-0712.pdf>

Ludwig Winkel and Oliver Kleineberg presented Converged Solution - The Need.
10 minutes

<http://www.ieee802.org/1/files/public/docs2012/bu-winkel-ind-req-preempt-802-1Qbu-0712-v01.pdf>

Pat Thaler presented MAC Merge Sub-layer to Support Minimum Latency Scheduled Traffic.

10 minutes

<http://www.ieee802.org/1/files/public/docs2012/bu-thaler-mac-merge.pdf>

Geoff Thompson presented Re-Viewing Preemption.

20 minutes

<http://www.ieee802.org/1/files/public/docs2012/bu-thompson-re-viewing-preemption-0712.pdf>

Discussed wording for a new 802.3 Call For Interest, and held straw poll on options.

40 minutes

Meeting with 802.3 adjourned at 10:00 AM.

AVB meeting re-convened at 10:45 AM.

Christian Boiger presented Time Aware Shaper.

30 minutes

<http://www.ieee802.org/1/files/public/docs2012/bv-boiger-time-aware-shaper-0712-v01.pdf>

Christian Boiger presented Scheduled Traffic - Forwarding and Filtering.

45 minutes

<http://www.ieee802.org/1/files/public/docs2012/new-avb-boiger-scheduled-traffic-forwarding-0712-v01.pdf>

Wednesday PM

Meeting started at 1:45 PM.

Geoffrey Garner presented Discussion of Assumptions for 802.1ASbt Features.

180 minutes

<http://www.ieee802.org/1/files/public/docs2012/as-garner-discussion-asbt-feature-assumptions-v01.pdf>

Karl Weber presented How Many Times Fit in One Sync?

30 minutes

<http://www.ieee802.org/1/files/public/docs2012/as-weber-ManyTimes-0712.pdf>

Franz-Josef Goetz presented Which Mechanism for Two Time Scales @ Industry.

45 minutes

<http://www.ieee802.org/1/files/public/docs2012/as-goetz-concepts-0712-v1.pdf>

Thursday, 19 July

Thursday AM

Joint 802.1 and 802.11 meeting held from 8:00 AM to 10:00 AM.

802.1 meeting started at 10:30 AM.

Philippe Klein presented IEEE P1905.1 Convergent Digital Home Network, Technical Presentation.

90 minutes

<http://www.ieee802.org/1/files/public/docs2012/802-1-phkl-P1095-Tech-Presentation-1207-v01.pdf>

DCB Meeting Minutes

Tuesday, 17 July

Open DCB Tuesday 9:00-12:00

Pat Thaler Advised the group about the IEEE patent policy

IEEE patent slides set was shown and reviewed

Pat called for attendees to identify any patents that are essential to the work of this group

Karmi Arad, Marvell 9:30-10:30

Presentation on Scalable Edge Bridge FDB

<http://www.ieee802.org/1/files/public/docs2012/new-dcb-arad-scaling-edge-bridge-fdb-0712-v02.pps>

Anoop Ghanwani (Dell), Jeff Lynch (IBM), Manoj Wadekar (QLogic)

<http://www.ieee802.org/1/files/public/docs2012/new-ghanwani-lldp-fcoe-dev-type-0712-v02.pdf>

FCoE Device Type for autodetect FCF(Fiber channel Forwarder) and ENode(end node)

LLDP advertisements i.e Use System Capabilities or use new

Work could be in T11 or IEEE

Should ask T.11 if they would like to do this work or should IEEE?

If this is encoded in a new TLV T.11 can do it as well as us.

Yinjie presenting on ECP/VDP to multi-tenant

Multi-tenant

Traffic Isolation

Address independence

Support the placement and migration of VMs

Discussion indicated that we did not need to present any of these to Interworking

Maintenance Meeting Minutes

See posted minutes at:

<http://www.ieee802.org/1/files/public/maint/2011-07-maintenance.pdf>

Closing Plenary (Thursday, July 19, 2012)

Closing Plenary slides are available at:

<http://www.ieee802.org/1/files/public/minutes/2012-07-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
 - September, 2012:
 - Meeting in Santa Cruz, CA, 19-22 September, hosted by Michael Johas Teener - <http://www.ieee802.org/1/private/email2/msg18313.html>
 - January, 2013 (and possibly future January meetings) 9-12 January or the week after
 - Co-located with 802.11, Jan 14-18, Vancouver Hyatt
 - May 2013: Co-located with 802.3, USA hosted by Ethernet Alliance (Week of May 13th)
 - September 2013:
 - Possible co-located meeting with 802.3, China
 - Possible co-located meeting with 802.11, China Sept 15-20
- 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
 - Security
 - AVB
 - DCB
 - Maintenance

Motions

General 802.1

- Approve the minutes from November 2011 and January 2012 meetings
 - <http://www.ieee802.org/1/files/public/minutes/2012-03-minutes.pdf>
 - <http://www.ieee802.org/1/files/public/minutes/2012-05-minutes.pdf>
 - Acclamation
- Hold pre-meeting(s) on Monday Morning at the November 2012 Plenary meeting
 - Acclamation
- 802.1 will hold an Interim meeting 14-18 January 2013, in Vancouver, BC
 - For – 39 Against – 0 Abstain – 1
- 802.1 will hold an Interim meeting week of 13 May 2013, collocated with 802.3, North American location to be announced
 - For – 33 Against – 1 Abstain – 2
- 802.1 requests approval by IEEE 802 LMSC to form a Study Group on enabling the use of 802.11 (including consideration of infrastructure BSS, PBSS and IBSS associations) as general transit links capable of creating a PAR and 5ive criteria

Mick asked what exactly a transit link is. Norm gave an impromptu rehash of the earlier discussion on this topic

- For - 36 Against - 0 Abstain – 5
- Authorize .1/.11 Bridging Study Group to hold bi-weekly teleconferences at 8 AM (US Pacific Time) Mondays. Access information will be sent to the 802.1 reflector after the plenary, time/day to be confirmed with 802.11 and adjusted if necessary
 - For – 26 Against – 0 Abstain – 10
- Authorize 802.1 liaison to IEEE 1905.1 to ask the 1905.1 group to allow 802.1 access to their draft standards so that 802.1 can comment on them
 - For - 27 Against – 0 Abstain – 4

Maintenance

- Authorize teleconference meeting of the maintenance task group with access information sent to the reflector 21 days prior.
 - Acclamation
- Request conditional EC approval to forward P802.1Q/Cor-2 to RevCom
 - For – 31 Against – 0 Abstain – 0
- Request EC approval to forward P802.1Q/Rev PAR to NesCom

- For - 18 Against - 0 Abstain – 0
- Request EC approval to forward P802.1AB/Cor-1 PAR to NesCom
 - For - 29 Against – 0 Abstain – 1
- Requests EC approval to withdraw P802.1AXbq PAR
 - For – 32 Against – 0 Abstain - 0

AVB

- Continue weekly teleconference meetings of the AVB task group 9 AM (US Pacific Time) Wednesday for AVB general topics. Access information will be sent to the 802.1 reflector immediately after the plenary.
 - Acclamation
- Authorize the September interim to generate a PAR and five criteria for pre-circulation to the EC for amendment to 802.1Q: protocol and management procedures for time-sensitive services and path reservation based on 802.1aq and IS-IS

Janos gave a presentation on possibly parallel work involving enhancements to IS-IS and SPB to support traffic engineered paths. There was discussion and questions about this work

- For - 31 Against - 0 Abstain - 6
- AS/Cor-1 to WG Ballot
 - For – 31 Against – 0 Abstain – 5

DCB

- Authorize teleconference meeting of the DCB task group with access information sent to the reflector immediately after the plenary. Tentatively planned for:
 - 7 August 2012 and 9 October 2012
 - 8 AM –10 AM (US Pacific)
 - Approved by Acclamation

Interworking

- Authorize teleconference meetings of the Interworking task group at 8:30 AM (US PT) Thursdays for ECMP for SPB
 - Withdrawn
- Authorize teleconference meetings at 7 AM (US Pacific) Thursdays (bi-weekly) for AX-REV

- Acclamation
- Authorize the editor of P802.1AX-REV to prepare a draft for Tasg Group balloting
 - For – 33 Against – 0 Abstain – 0
- Authorize the editor of P802.1Qbp to prepare a draft for Task Group balloting
 - For – 32 Against – 0 Abstain – 2
- Request EC approval to submit P802.1AC to RevCom
 - For – 35 Against – 0 Abstain – 1

Glenn Parsons presented a number of liaison responses to SG-15 of ITU-T

<http://www.ieee802.org/1/files/public/docs2012/liaison-parsons-draft-response-ols-358-0712-v2.doc>

<http://www.ieee802.org/1/files/public/docs2012/liaison-many-draft-response-q9-15-mecp-0712-v02.doc>

- Approve the response to ITU liaison ols 358 (OTNT Standardization Work Plan)
 - For – 33 Against – 0 Abstain – 1
- Approve the response to ITU liaison ols 378 (Multipoint Protection Switching)
 - For – 23 Against – 0 Abstain – 6
- Authorize the September Interim to draft a PAR and 5C, for precirculation to the EC, for an amendment to 802.1AC for support of the ISS by MOST
 - For – 18 Against – 2 Abstain – 7

Security

- Request EC approval to submit P802.1AEbw for Sponsor balloting
 - For – 31 Against – 0 Abstain – 1
- Authorize teleconference calls (subject to notice of at least 21 days to the 802.1 email exploder) to resolve sponsor ballot comments on P802.1AEbw, working group ballot comments on P802.1Xbx and to develop further drafts of P802.1Xbx
 - Acclamation

Overview and Architecture

- Request EC conditional approval for forwarding the P802 Overview & Architecture document to Sponsor ballot
 - For – 26 Against – 0 Abstain – 0

Closing Plenary adjourned