

IEEE 802 Plenary Meeting
 July 2013, Geneva, Switzerland
802.1 Meeting Minutes, 15-18 July 2013

Attendees

<i>Last Name</i>	<i>First Name</i>	<i>Middle Name</i>	<i>Affiliation</i>
Alsup	Andrew		Innovasic
Boiger	Christian		self
Bottorff	Paul		Hewlett-Packard Development Company, L.P.
Crupnicoff	Diego		Mellanox Technologies
Cummings	Rodney		National Instruments Corporation
DIARRA	Aboubacar Kader		Robert Bosch GmbH
Farkas	Janos		Ericsson
Finn	Norman		Cisco Systems, Inc.
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
Gunther	Craig		Harman International
Gusat	Mitch		IBM Research, ZRL
Haddock	Stephen		Stephen Haddock Consulting, LLC
Hayakawa	Hitoshi		Hitachi, Ltd.
Hitt	Jeremy		Dell
Huang	Lu		
Hussain	Rahil		ABB, Inc.
Jeffree	Anthony		HP, Broadcom
Jochim	Markus		General Motors Company
Johas Teener	Michael		Broadcom Corporation
Kiessling	Marcel		Siemens AG
Kim	Yongbum		Broadcom Corporation
Klein	Philippe		Broadcom Corporation
Lipinski	Maciej		CERN
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

Multanen	Eric	Intel Corporation
Muyshondt	Henry	MOST Cooperation
Pannell	Donald	Marvell Semiconductor, Inc.
Parsons	Glenn	Ericsson AB
Plankensteiner	Markus	TTTech Computertechnik AG
Randall	Karen	NSA/IAD
Romascanu	Dan	Avaya Inc.
Rouyer	Jessy	ALCATEL-LUCENT
Sabony	Mazda	Advanced Micro Devices (AMD)
Saltsidis	Panagiotis	Ericsson AB
Seaman	Michael	Individual
Sexton	Daniel	General Electric Company (GE)
		University of Duisburg-Essen and General Motors Company
Specht	Johannes	TTTech Computertechnik AG
Steiner	Wilfried	Broadcom Corporation
Thaler	Patricia	ZTE Corporation
Ting	Ao	Siemens AG
Tretter	Albert	National Instruments Corporation
Walter	Todd	Beckhoff, ZHAW
Weber	Karl	ZTE Corporation
Wei	Yuehua	Innovasic
Woods	Jordon	ZTE Corporation
Xiao	Min	

Opening Plenary (Monday, 15 July, 2013)

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

<http://www.ieee802.org/1/files/public/minutes/2013-07-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.

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, 2013 – Victoria, BC, Canada
 - Co-located with 802.3 in Fairmont Empress
 - Hosted by the Ethernet Alliance
 - May 14-17 (Tuesday – Friday), 2013
 - See slides for additional information; slides are at:
<http://www.ieee802.org/1/files/public/docs2012/admin-ea-may12hosting-1112.pdf>
- September, 2013 – York, UK
 - Co-located with 802.3 at York Racecourse meeting venue
 - Hosted by Adva Optical (John Messenger)
 - September 3-6 (Tuesday – Friday), 2013
 - Several nearby (20-45 minute walk) hotels

- See slides for additional information; slides are at:
<http://www.ieee802.org/1/files/public/docs2013/admin-messenger-sep13-york-meeting-0213-v01.pdf>
- The Registration site is currently up and persons intending to participate should register as soon as possible
- January, 2014
 - Possible joint meeting with 802.11 Los Angeles, week of 19-24

Max Riegel gave a presentation on the OmniRAN EC Study Group activities.

<http://www.ieee802.org/1/files/public/docs2013/liaison-omniran-introduction-ieee802-0313.pptx>

There were a number of questions about the presentation.

EC Report - See opening plenary slides for additional information and details.

- Discussion of fee waiver for Hans-Rudolf Thomman – fee waiver granted.
 - Group appointed to look at fee waiver policy for officials of other SDOs.
- Elections
 - Bruce Kramer is candidate for SA President;
 - Glenn Parsons is candidate for BoG member at large.
 - IEEE members are encouraged to participate in these elections.
- PARS to NesCom – see below
- Proposed changes to the 5C – see later in agenda
- Various P&P/OM changes in progress
- Marketing activities for Ethernet 40th
- ISO/IEC JTC1 SC6 Seoul
- Future venues
- Geneva Rules
- Treasurers Report
- Get 802: 6.3 million downloads
- Technology Governance

Proposed 5C changes

- Available at:
<https://mentor.ieee.org/802-ec/dcn/13/ec-13-0009-10-00EC-proposed-5c.pdf>

Liaisons, etc.

- Joint meetings
 - Tuesday (all day) – Interworking/TSN – Popov 1
 - Wednesday (AM) – TSN/DMLT – K1
 - Thursday 8:00 – 10:00 802.1/802.11 – Bridging issues – Popov 1
- IEEE 802 JTC1 standing committee meetings
 - Tuesday, Wednesday and Thursday

802.1Q Revision/802.1D roll-up

- Further draft of Q-REV circulated
- Some minor bits to include, from maintenance items
- Need to review “new” terminology
- Will be discussed in Interworking

802.1 PARs – 2

- 802.1Qcc – amendment for Stream Reservation Protocol (SRP), PAR and 5C
- 802.1Qcd – amendment for Application Virtual Local Area Networks (VLAN) Type, Length, Value (TLV), PAR and 5C

Other WG PARs - 3

- 802.3br – amendment for Specification and Management Parameters for Interspersing Express Traffic, PAR and 5C
- 802.15.10 – Recommended Practice on Layer 2 Routing, PAR and 5C
- 802.19.1 – PAR Extension

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

Task Group agendas:

- Steve Haddock presented the preliminary Interworking TG – available at: <http://www.ieee802.org/1/files/public/docs2013/admin-interworking-agenda-0713-v1.pdf>
- Michael Johas-Teener presented the AVB agenda – available at: https://docs.google.com/spreadsheet/pub?key=0AqXurc4m_PVsdERQdzZubjVseTIWbHRNb1duaVJoNmc&output=pdf
- Pat presented a brief DCB agenda
 - Main agenda item is response to any comments on the 802.1Qcd PAR/5C comments
 - If there is time, we will also discuss how to resolve an ambiguity in IEEE 802.1Qbg that has been pointed out by Anoop (SVID issue)
 - New work item discussion on flow control for links over 100 Gb/s
- Glenn Parsons summarized the maintenance agenda for the week.

Meeting adjourned at 2:45 PM.

Task Group Minutes

Interworking minutes

Monday, 15 July

Meeting called to order at 9:00 AM.

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

Stephen Haddock presented the preliminary agenda for the week.

802.1Qbp ECMP: Ben Mack-Crane conducted comment resolution on the working group recirculation ballot of 802.1Qbp-d1.0 *SPBM Equal Cost MultiPath*.

<http://ieee802.org/1/files/private/bp-drafts/d1/802-1bp-d1-5-dis-v3.pdf>

Break at 10:55 AM for the 802 and 802.1 Opening Plenary sessions.

Interworking Task Group resumed at 4:40 PM.

802.1Q-Rev: Tony Jeffree reviewed the changes in 802.1Q-REV-d1.1 resulting from the comment resolution of the Working Group ballot on the previous draft. A considerable amount of change resulted from cleaning up the definitions of various types of bridges and the editor asks that this get careful review.

Adjourn at 5:45 PM.

Tuesday, 16 July

Joint Interworking/TSN meeting called to order at 9:00 AM.

Michael Teener gave the call for patents. No response to the call for patents.

Michael Teener presented the preliminary agenda for the day.

802.1Qca PCR: Marcel Kiessling gave a presentation on VLAN usage for redundant paths. Janos Farkas presented an editor's update regarding the 802.1Qca-d0.2 *Path Control and Reservation* draft, and thoughts on interworking with SRP:

<http://www.ieee802.org/1/files/public/docs2013/new-iwk-kiessling-ISIS-SPB-PCR-for-TSN-0713-v01.pdf>

<http://www.ieee802.org/1/files/public/docs2013/ca-farkas-editors-notes-0713-v01.pdf>

<http://www.ieee802.org/1/files/public/docs2013/ca-farkas-SRP-ISIS-interworking-0713-v01.pdf>

Break at 12:15 PM.

Resume at 1:30 PM.

802.1CB Seamless Redundancy: Norm Finn gave a presentation on features needed in 802.1CB and how it relates to ISO/IEC 62439-3 (PRP and HSR). Wilfried Steiner presented a formal analysis of 802.1CB:

<http://www.ieee802.org/1/files/public/docs2013/cb-nfynn-1CB-features-needed-0713-v01.pdf>

<http://iee802.org/1/files/public/docs2013/new-avb-wsteiner-8021CB-formal-analysis-0713-v01.pdf>

802.1Qcc SRP: Presentations on enhancing SRP were given by Rodney Cummings and Andre Fredette:

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-cummings-srp-planning-0713-v1.pdf>

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-fredette-refresh-timer-0713-v1.pdf>

802.1Qbz Wireless Bridging: Norm Finn conducted comment resolution on the task group ballot of 802.1Qbz-d1.1 *Wireless Bridging*:

<http://iee802.org/1/files/private/bz-drafts/d1/802-1Qbz-d1-1-dis.pdf>

Adjourn at 6:00 PM.

Wednesday, 17 July

Meeting called to order at 9:20 AM.

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

802.1AX-Rev DRNI: Panagiotis Saltsidis conducted comment resolution on the task group ballot of 802.1AX-REV-d2.1 Link Aggregation with Distributed Resilient Network Interconnect. Lu Huang gave a presentation in support of a comment to allow aggregation of links with different data rates:

<http://iee802.org/1/files/private/ax-rev-drafts/d2/802-1AX-REV-d2-1-pdis-v1.pdf>

Adjourn at 12:15 PM

Resume at 1:15 PM.

802.1Qbp ECMP: Ben Mack-Crane concluded comment resolution on the working group recirculation ballot of 802.1Qbp-d1.5 SPBM Equal Cost MultiPath.

802.1AX-Rev DRNI: Panagiotis Saltsidis concluded comment resolution on the task group ballot of 802.1AX-REV-d2.1 Link Aggregation with Distributed Resilient Network Interconnect. Anoop Ghanwani gave a presentation discussing running DCB protocols over aggregated links.

<http://iee802.org/1/files/public/docs2013/ax-rev-ghanwani-dcb-0713-v01.pdf>

Adjourn at 6:30 PM.

Thursday, 18 July

Joint meeting with 802.1/802.11 to discuss 802.1Qbz/802.11ak.

Meeting called to order at 8:00 AM

Donald Eastlake gave the call for patents. No response to the call for patents.

802.1Qbz/802.11ak Wireless Bridging: Phillippe Klein and Norm Finn gave presentations on the coordination of 802.1Qbz and 802.11ak. Norm Finn also reviewed the proposed resolution to selected comments from the task group ballot of 802.1Qbz-d1.1:

<http://ieee802.org/1/files/public/docs2013/qbz-11ak-pk-dg-arch-discussion-0713-v3.pdf>

<http://ieee802.org/1/files/public/docs2013/bz-nfynn-11-13-0406-05-00ak-0713-v5.pptx>

Adjourn the joint meeting and reconvene 802.1 Interworking Task Group at 9:40am

802.1Qbz Wireless Bridging: Norm Finn concluded comment resolution on the task group ballot of 802.1Qbz-d1.1 Wireless Bridging.

New Work: Norm Finn presented a proposal for a two port system with a very simplified implementation of IS-IS:

<http://www.ieee802.org/1/files/public/docs2013/new-iwk-nfynn-simple-isis-node-0713-v02.pdf>

Liaisons: John Messenger presented concerns regarding changes in the new version of Y.1731 that was the subject of liaison 041 from ITU-T SG15.

<http://ieee802.org/1/files/public/docs2013/liaison-itu-t-lso-041-0713.zip>

<http://ieee802.org/1/files/public/docs2013/liaison-messenger-y1731-mip-changes-0713-v01.pdf>

802.1AC-Rev: John Messenger reviewed the initial draft for the revision of the MAC Service Definition (802.1AC-REV-d0.1):

<http://www.ieee802.org/1/files/private/ac-rev-drafts/d0/802-1ac-rev-d0-1.pdf>

Adjourn at 11:45 AM.

TSN Meeting Minutes

Monday, 15 July

TSN Pre-meeting - AM

Meeting started at 9:00 AM.

Michael Johas Teener presented Administration, Patent Policy, and Agenda. There was no response to the call for patents.

Wilfried Steiner presented Interoperability of IEEE 802.1AS and Fault-Tolerant Clock Synchronization (Update)

<http://www.ieee802.org/1/files/public/docs2013/new-avb-wsteiner-8021AS-interoperability-ft-clocksnc-0713-v02.pdf>

Geoff Garner presented IEEE 1588 BMCA Rearrangement Times

<http://www.ieee802.org/1/files/public/docs2013/as-roberts-bmca-rearrangement-time-calc-spreadsheet-0713.pdf>

Meeting ended at 11:00 AM.

Monday, PM

Meeting started at 5:00 PM.

Geoff Garner presented IEEE 1588 BMCA Rearrangement Times (continued)

<http://www.ieee802.org/1/files/public/docs2013/as-roberts-bmca-rearrangement-time-calc-spreadsheet-0713.pdf>

Franz-Josef Goetz presented Robust Synchronizaton

<http://www.ieee802.org/1/files/public/docs2013/asbt-goetz-RobustSync-0715-v01.pdf>

Tuesday, 16 July

Joint meeting with Interworking all day (see interworking minutes above).

Wednesday, 17 July

Wednesday AM

Joint meeting with 802.1 TSN and 802.3 DMLT study group

Meeting started at 9:00 AM.

Ludwig Winkel presented Objectives

<http://www.ieee802.org/3/DMLT/8023-DMLT-SG-1305-Winkel-Objectives-2013-05-17r1.pdf>

Break before 10:00 AM.

Resume after 10:00 AM

Tony Jeffree presented 802.1Qcc PAR Questions Resolution

<http://www.ieee802.org/1/files/public/docs2013/new-p802-1qcc-draft-5c-0513-v2.pdf>

Abou Diarra presented In-vehicle Global Synchronization

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-diarra-in-vehicle-global-synchronization-0716-v01.pdf>

Maciej Lipinski presented White Rabbit

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-lipinski-white-rabbit-17-07-v01.pdf>

Geoff Garner discussed the Description of Scenario Leading to Sync Receipt Timeout in 802.1AS Due to Loss of a Single Follow_Up Message

From 1100-1200, Michael Johas Teener presented Next Generation Time Synchronization for Ethernet to the 802.3 400 GbE study group

<http://www.ieee802.org/1/files/public/docs2013/asbt-mjt-updates-for-ethernet-0713.pdf>

Wednesday PM

Marcel Kiessling presented L2 and L3 Streams

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-kiessling-Streams-for-L2-and-L3.pdf>

Norm Finn presented Simple 2-port Intermediate System

<http://www.ieee802.org/1/files/public/docs2013/new-iwk-nfinn-simple-isis-node-0713-v02.pdf>

From 1600-1700 we held a joint meeting with TSN and IEEE 1588 via WebEx.

Thursday, 18 July

Thursday AM

Joint meeting with 802.1/802.11 to discuss 802.1Qbz and 802.11ak (see Interworking minutes above). Meeting ran from 8:00 AM to (approximately) 10:00 AM.

Re-convened TSM meeting at 10:30 AM.

Franz-Josef Goetz presented Shaper for Robustness

<http://www.ieee802.org/1/files/public/docs2013/bv-goetz-TSN-RobustControlDataTraffic-0717-v1.pdf>

Markus Jochim presented What are the Goals of 802.1 TSN? How Can We Achieve Them?

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-jochim-goals-of-802-1tsn-0713-v01.pdf>

Markus Jochim presented AAA2C Automotive Requirements for a Flexible Control Traffic Class

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-jochim-aaa2c-requirements-for-control-traffic-0713-v01.pdf>

Meeting ended at (approximately) 12:30 PM.

DCB Meeting Minutes

Wednesday 17 July PM

Meeting started at 1 PM

Administrivia & Agenda - Pat Thaler

- Patent slides were presented and call for patents was made. There were no responses.
 - Agenda Qbd PAR/5C comments;
 - Qbg SVID issue;
 - New work.

Application VLAN ID TLV (Qbd) PAR/5C comments - Pat Thaler, Broadcom

- Received comments from 802.11
 - mostly asking for basic clarification on the function of VLAN tags and how this project actually helps, and
 - a request to move one of the statements from scope to purpose.

Discussion of ambiguity with SVID allocation - Anoop Ghanwani, Dell

- Ambiguity in Qbg with respect to whether end station can request a specific value of SVID.
- No consensus about which way the standard was intended to be.
 - State machines currently don't cover the case where SVID for a requested channel is non-zero.
- Anoop to provide presentation discussing the problem and the two alternatives for addressing it.

Next generation of CEE flow control - Mitch Gusat, IBM

- <http://www.ieee802.org/1/files/public/docs2013/new-gusat-PFC-problemID-0713.pdf>
- Target problems - PFC buffer design, BDP dependency, self-clocking; multihop fabrics, HoL blocking, deadlocks; QCN - complexity, tuning; fairness.
 - Paul: QCN is ineffective for transient congestion.
- Next steps
 - Continue discussions? General consensus that this would be useful. Will be discussed further on conference calls and at the next meeting.
 - Form an industry connections group? Too early to say.

Meeting adjourned at 3 PM

Maintenance Meeting Minutes

The Maintenance meeting minutes are available at:

<http://www.ieee802.org/1/files/public/maint/2013-07-maintenance.pdf>

Security Meeting Minutes

The Security Task Group met Tuesday 16th (AM & PM) and Thursday 18th (AM only).

P802.1Xbx

The task group ballot of D0.5 had just been completed. Ballot responses, comments, and the dispositions discussed are captured in the successive proposed dispositions posted on the website, together with interim drafts produced by the editor to facilitate discussion. Final ballot resolution was held over to the already scheduled teleconference (24th July) to allow others to participate.

JTC1 SC6 coordination and liaison

Task group members attended the JTC1 SC6 session on Tuesday afternoon chaired by Andrew Myles. This reviewed the discussions at the recent SC6 meeting. It was decided that it would be appropriate to forward the working group ballot draft of P802.1Xbx (when that becomes available) to JTC1 for information under the PSDO agreement. A resolution to that effect was passed by the 802.1 closing plenary.

Hans-Rudolf Thomann attended the SC6 coordination session as a representative of the Swiss National Body. Following the session, the Security TG members met with Hans to continue the general technical discussion. We briefly discussed the 'MACsec Hops' and EDE notes and related architectural concepts. Hans expressed a desire to see ISO 7498 and its amendments brought up to date.

Coordination with P802.15.9 (Key management Support for 802.15.4)

Karen attended a meeting of 802.15.9. The 802.1 security task group's view was if that activity proceeded as far as to provide a robust method of transferring full length Ethertyped frames between the supplicant and authenticator, then it would be a simple matter to specify the use of EAPOL and hence of EAP and MKA. Until that precondition was met there is little to be done.

Coordination with P802.21d

Karen also reported on liaison with the 802.21 security activity, where she was suggesting that they (at a minimum) use the same elliptic curve as specified for 802.1AR. Mick suggested that they might be encouraged to also adopt the same subset of the TPM (Trusted Platform Module, specified by the trusted computing group) specified for minimal devices in 802.1AR - thus saving future work.

Closing Plenary (Thursday, July 18, 2013)

Closing Plenary slides are available at:

<http://www.ieee802.org/1/files/public/minutes/2013-03-closing-plenary-slides.pdf>

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

- New voters out of this week
- 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
- ISO/IEC JTC 1/SC6 – Andrew Myles gave a short presentation on progress and possible actions to take. These slides do not appear to be available via the IEEE 802.1 web site.

Future Interim meetings

- September, 2013”
 - Co-located with 802.3, hosted by John Messenger (Adva Optical), York, UK
 - 3 through 6 September
 - <http://www.ieee802.org/1/files/public/docs2013/admin-messenger-sep13-york-meeting-0213-v01.pdf>
- January, 2014 in Los Angeles, CA, US
 - 19 through 24 January
 - Joint with 802.11
 - Early-bird room rate \$169, \$189 after the cut-off
 - Meeting fees are expected to be about the same (see slides)
 - Venue is Hyatt Century Plaza
- May 2014: Hosted by John D’Ambrosia (Ethernet Alliance)?
 - Week of 12 through 16 May
 - <http://ieee802.org/1/files/public/docs2013/admin-ea-offer-to-host-may2014-15-0713.pdf>
- September 2014: Hosted by Glenn Parsons (Ericsson)?
 - 8 through 12 September
 - Brookstreet Hotel - \$185 CDN (with golf tournament)

- Meeting fee \$300/\$500 CDN
- May 2015: Hosted by John D'Ambrosia (Ethernet Alliance)?
 - Week of 11 through 15 May

Reminder of the proposed new 5C's at:

<https://mentor.ieee.org/802-ec/dcn/13/ec-13-0009-10-00EC-proposed-5c.pdf>

Project status (In)Sanity check – current workload review (see slide 17).

Task Group reports were given for the following areas (see individual task group minutes and/or status from above for details):

- New voters out of this week
- Interworking – Steve Haddock provided a summary of this week's work
- Security – Tony reported that the sponsor ballot 802.1AEbw has closed
- TSN – Michael Johas-Teener provided an update on TSN work
- DCB – Pat reported that there was a small amount of E-Mail activity
- Maintenance – Glenn Parsons reported progress gave a summary of the work done during the week
- O&A – Tony gave a brief status on recent Sponsor Ballot comments

Motions

General 802.1

- Approve the minutes from March and May, 2013 meetings
 - <http://www.ieee802.org/1/files/public/minutes/2013-03-minutes.pdf>
 - <http://www.ieee802.org/1/files/public/minutes/2013-05-minutes.pdf>
 - Acclamation
- Hold pre-meeting(s) on Monday Morning at the July 2013 Plenary meeting
 - Acclamation
- 802.1 will hold an Interim meeting collocated with the Wireless interim to be held in Los Angeles, CA, USA, 21st through 24th January, 2014
 - For – 24 Against – 1 Abstain – 3
- 802.1 will hold Interim meetings collocated with 802.3, hosted by the Ethernet Alliance in North America, to be held during the weeks of:
 - 12 through 16 May, 2014

- 11 through 15 May, 2015
 - For – 27 Against – 0 Abstain – 3
- 802.1 will hold an interim meeting collocated with 802.3, hosted by Glenn Parsons (Ericsson) in September, 2014:
 - 8 through 11 September
 - Meeting fee ~\$300/\$500 CDN
 - Brookstreet Hotel - \$185 CDN
 - For – 29 Against – 0 Abstain – 2
- 802.1 directs the 802.1 Chair to vote against forwarding the 802.15.10 draft PAR
 - For – 28 Against – 0 Abstain – 5
- 802.1 directs the 802.1 Chair to propose the EC defer approval of the proposed CSD to November to allow proper review of the text by the WGs.
 - For – 29 Against – 0 Abstain – 2

Interworking

- Authorize 1-hour conference calls for 802.1bz/802.11ak coordination on 5 and 19 August, 9 September and subsequent dates to be announced 21 days in advance, at 17:00 US Eastern Time. Teleconference details to be announced on the 802.1 Reflector.
 - Acclamation
- 802.1 requests EC approval to submit 802.1Qbp to Sponsor Ballot.
 - For – 20 Against – 1 Abstain – 12
- 802.1 authorizes the editor of P802.1AX-REV (Panos Saltsidis) to prepare a draft for TG and WG balloting.
 - For – 27 Against – 0 Abstain – 1
- Include a subclause for “Support of the ISS by MOST Ethernet Packet Channel” in the draft of 802.1AC.
 - For – 4 Against – 5 Abstain – 22
- 802.1 authorizes the editor of P802.1AC-REV (John Messenger) to prepare a draft for TG balloting. The ballot will also be issued to 802.16.
 - For – 28 Against – 0 Abstain – 0
- 802.1 authorizes the editor of P802.1Qbz wired/wireless bridging (Norm Finn) to prepare a draft for TG balloting.
 - For – 29 Against – 0 Abstain – 1

- 802.1 authorizes the editor of P802.1Qca Path Control and Reservation (Janos Farkas) to prepare a draft for TG balloting.
 - For – 29 Against – 0 Abstain – 1
- 802.1 approves the liaison to SG15 of ITU-T and MEF regarding ITU-T OLS 041, as presented (with editorial license).
 - For – 13 Against – 0 Abstain – 12

Maintenance

- Authorize teleconference meeting of the Maintenance TG on October 29th at 11 AM, US Eastern Time.
 - Acclamation
- 802.1 requests EC approval for forwarding P802.1AS-Cor1 to RevCom.
 - For – 26 Against – 0 Abstain – 1
- 802.1 authorizes the editor of P802.1Q-REV (Tony Jeffree) to prepare a draft for WG balloting.
 - For – 26 Against – 0 Abstain – 0
- 802.1 authorizes the Chair to request approval to pre-submit a PAR modification for P802.1Q-REV (updates to title, scope, purpose to match Q-REV draft following WG ballot resolution) to ensure that it is on the NesCom agenda in time for approval for forwarding in November.
 - For – 26 Against – 0 Abstain – 0

TSN

- The TSN TG will continue weekly teleconference meetings of the TSN TG at 9:00 AM (US Pacific Time) Wednesdays for TSN general topics. Access information will be sent to the 802.1 reflector immediately after the plenary.
 - Acclamation
- 802.1 requests EC approval to forward P802.1Qcc “*Stream Reservation Protocol (SRP) Enhancements and Performance Improvements*” PAR to NESCOM.
 - For – 24 Against – 0 Abstain – 4

DCB

- Authorize teleconference meeting of the DCB task group with access information sent to the reflector immediately after the plenary. The call will be used to discuss possible new work.
 - Tuesday, 13 August 2013 and Tuesday, 1 October 2013 8 to 10 AM US Pacific Time.

- Acclamation
- 802.1 request EC approval to forward P802.1Qcd Application VLAN IS TLV PAR to NESCOM
 - For – 26 Against – 0 Abstain – 2
- 802.1 authorizes the editor of P802.1Qcd (Eric Multanen) to prepare a draft for TG balloting (Note: ballot is expected to start after the interim meeting.)
 - For – 26 Against – 0 Abstain – 2
-

O&A

- None

Security

- 802.1 requests EC approval to forward P802.1Xbx to ISO/IEC JTC1 SC6, for information under the PSDO agreement, at the opening of the WG ballot.
 - For – 24 Against – 0 Abstain – 2

Closing Plenary adjourned