

IEEE 802 Plenary Meeting
 November 2014, San Antonio, TX
802.1 Meeting Minutes, 3-6 November 2014

Attendees

<i>Last Name</i>	<i>First Name</i>	<i>Middle Name</i>	<i>Affiliation</i>
Bickford	Charles		Extreme Networks
Boiger	Christian		b-plus GmbH
			Hewlett-Packard Development Company, L.P.
Bottorff	Paul		NSN, Inc.
Chen	David		Siemens AG
Chen	Feng		Coriant
Cheng	Weiying		National Instruments Corporation
Cummings	Rodney		
Eastlake 3rd	Donald		
Edge	Bob		CONSULTANT
Farkas	Janos		Ericsson
Finn	Norman		Cisco Systems, Inc.
Fischer	Michael		
			Broadcom Corporation, Marvell Semiconductor, Siemens AG, Hirschmann
Garner	Geoffrey		Ericsson AB
Gray	Eric W		Harman International Industries, Incorporated
Gunther	Craig		Stephen Haddock Consulting, LLC
Haddock	Stephen		
Hamilton	Mark		
Huang	Lu		802
Hunter	David		
Hussain	Rahil		ABB, Inc.
Iwaoka	Mitsuru		

Jeffree	Anthony	HP, Broadcom Broadcom Corporation
Johas Teener	Michael	Cisco Systems, Inc.
Jones	Peter	USDOT
Kain	Carl	Hirschmann Automation and Control, Inc.
Kehrer	Stephan	Siemens AG
Kiessling	Marcel	Broadcom Corporation
Kim	Yongbum	Broadcom Corporation
Klein	Philippe	Jaguar Land Rover (JLR)
Larios	Efstathios	MediaTek Inc.
Lee	Arthur	National Security Agency
Leicht	Suzanne	
Lepp	James	
Levy	Joseph	
Lin	Juitse	MediaTek Inc.
Llosa	Guillermo	
Marin	James	Nokia Networks
Marks	Roger	Consensii LLC
		Vitesse Semiconductor Corporation
McIntosh	James	ADVA Optical Networking Ltd.
Messenger	John	
Mestanov	Filip	
Ousley	Timothy	
		Marvell Semiconductor, Inc.
Pannell	Donald R	Ericsson AB
Parsons	Glenn	IEEE Standards Association (IEEE-SA)
Pienciak	Walter	NSA/IAD
Randall	Karen	ixia
Regev	Alon	Nokia Networks
Riegel	Maximilian	ALCATEL-LUCENT
Rouyer	Jessy	

Ryu	Cheol	Electronics and Telecommunications Research Institute (ETRI)
Samii	Soheil	General Motors Company
Sato	Atsushi	Yokogawa Electric Corporation
Seaman	Michael	Individual
Shimada	Shusaku	
Sinha	Santanu	Broadcom Corporation
Specht	Johannes	University of Duisburg-Essen and General Motors Company
Steiner	Wilfried	TTTech Computertechnik AG
Tabatabaee	Vahid	Broadcom Corporation
Thaler	Patricia	Broadcom Corporation
Touve	Jeremy	ALCATEL-LUCENT
Tretter	Albert	Siemens AG
Unbehagen	Paul	Avaya Inc.
Venkatesan	Ganesh	
Weis	Brian	Cisco Systems, Inc.
Welch	James	IneoQuest
Woods	Jordon	Innovasic
Zinner	Helge	Robert Bosch GmbH
Zuniga	Juan	InterDigital, Inc.

Opening Plenary (Monday, 3 November, 2014)

The Chair (Glenn Parsons) presented the opening plenary slides. See the opening plenary slides at:

<http://www.ieee802.org/1/files/public/minutes/2014-11-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 a reminder that contributions are expected to be uploaded before presentation, reporting meeting Session attendance, meeting “decorum” (or rules - including the policy on recording and/or reporting of meetings), hotel and meeting room security, 802.1 officers, eligible voters, web-site and access information, etc.

The slides also included get well wishes for Panagiotis Saltsidis who was unable to attend the meeting due to illness.

See slides for details, in particular relating to voter status.

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 patent policy 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 potentially essential patents.

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

- January (11-15) 2015 – Atlanta
 - 802-sponsored Interim (<http://802world.org/interim>)
 - May 19-22, 2015: John D’Ambrosia (Ethernet Alliance)
 - Corrected dates were explicitly pointed out
 - See slides for details
- <http://iee802.org/1/files/public/docs2014/admin-dambrosia-may15-meeting-1014-v1.pdf>

- Fall 2015
 - Hosts?
- January 2016 - Atlanta
 - 802-sponsored Interim
- Spring 2016 – Hosts?
- Fall 2016 – Hosts?

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

- 802.c Discussion
- WG P&P Proposals
- Get 802 Proposal – 6 year implementation plan proposed by IEEE-SA
- EC Standing Committees
- Future plenaries Report:
 - March 2015 (Berlin), March 2016 (Macao), July 2017 (Berlin)
 - Decide during the plenary: March & November 2017 – Dallas, Atlanta, Orlando
- Treasurer's report (details on slide 18)
- 3GPP liaison – response to be led by 802.19
- EC Workshop Saturday

Join Me

- IEEE-SA provided conference tool
- Each IEEE 802 WG has one account (ask Chair for password)
 - <http://join.me/802.1>

PARs:

- 802.1 PARs (3)
 - 802c
 - 802.1AS-rev
 - 802.1Qch
- Other WG PARS (3)
 - 802.3bv = 1 Gb/s Operation Over Plastic Optical Fiber
 - 802.3by = MAC Parameters, Physical Layers and Management Parameters for 25 Gb/s Operation
 - 802.15.7a = Physical Layer Supporting Optical Camera Communications
- Details available via <http://grouper.ieee.org/groups/802/PARs.shtml>

Tutorials

- Monday, 3 November
 - 6:00 – 7:30 PM: Gigabit Ethernet over Plastic Optical Fiber
 - 7:30 – 9:00 PM: Introducing P802.3bn EPON Protocol over Coax (EPoC)

Liaisons within 802

- Joint meetings
 - Monday 9:30-10:30 PM – 802c PAR discussion
 - Tuesday

- 9:00 AM – 6:00 PM – Interworking/TSN
 - 7:30 PM – 802.15.4 discussion
 - Thursday
 - 8:00 – 10:00 AM 802.1 TG/802.11ak – Bridging issues
- Privacy EC SG
 - Tuesday & Thursday, 7:30 – 9:30 PM
- IEEE 802.24 IoT
 - Wednesday PM2
- IEEE 802 JTC1 standing committee meetings
 - Tuesday PM1
- IETF Standing Committee
 - Tuesday PM2
- IEEE 802 ITU standing committee meeting
 - Wednesday AM1
- IEEE 802 task force – Get 802
 - Thursday AM2

Incoming Liaisons

- Maintenance:
 - LS105 from ITU-T SG15 to IEEE 802.1 on ITU-T SG15 OTNT standardization work plan
 - http://www.ieee802.org/1/files/public/docs2014/liaison-ITUTSG15-LS105_229P-AnnA-0414.zip
- Interworking:
 - MEF has sent a liaison to IETF on a potential overlap between MEF 38 & 39 with draft-tissa-netmod-oam:
http://www.ieee802.org/1/files/public/docs2014/liaison-MEF-L00214_IETF_OAM YANG.docx
 - IEEE 802.1 has been copied for information - we may respond...
 - ITU-T has sent us a liaison with further clarification questions on DRNI:
http://www.ieee802.org/1/files/public/docs2014/liaison-ITUTSG15-LS165_WP3-199_Ann3-0914.docx
 - LS165 from ITU-T SG15 to IEEE 802.1 on Multi Domain Segment network Protection (continuing LS016 and LS116)
http://www.ieee802.org/1/files/public/docs2014/liaison-ITUTSG15-LS165_WP3-119_Ann3-0914.DOCX

The Chair then presented the 802.1 meeting schedule (see slide 24)

Task Group agendas:

- Mick Seaman discussed the Security TG status and meeting plans (see slide 26)
- Steve Haddock presented the preliminary Interworking TG Agenda and project status (see slides 27 and 28)
 - The Interworking agenda is also available at:
<http://www.ieee802.org/1/files/public/docs2014/admin-interworking-agenda-0714-v1.pdf>
- Michael Johas-Teener discussed the TSN TG agenda (see slide 29)
- Max Reigel provided the status and agenda for the OmniRAN TG (see slide 30)
- John Messenger provided the maintenance agenda for the week (see slide 31)

There was no other business to discuss and the meeting was adjourned.

Task Group Minutes

Security minutes

As announced in the 802.1 opening plenary the Security Task Group would continue to be involved in liaison activities in this plenary. Rooms were allocated for task group meetings on Tuesday AM and Wednesday AM and the task group would also be participating in the JTC1 SC (Standing Committee), and P802.15.9 meetings. In the absence of a fixed meeting room for task group, or liaison task group, members would rendezvous at Registration to review the day's liaison schedule and to find meeting space (a fixed room allocation had not been requested for every session as that would be a waste of resources).

Agenda

The agenda together with an update on the status of documents and input to the meeting had been distributed prior to the meeting, and was reviewed in the 802.1 opening plenary.

1. P802.1ARce progression

Latest draft: <http://www.ieee802.org/1/files/private/ce-drafts/802-1ARce-d0-5.pdf>

2. 802.3 preemption and MACsec

See Annex Q in: <http://www.ieee802.org/1/files/private/bu-drafts/d1/802-1Qbu-d1-1.pdf>

See also Brian Weis' contribution:

<http://www.ieee802.org/1/files/public/docs2014/ae-weis-preemption-1030-v00.pdf>

See also: P802.3br/D0.1

- <http://www.ieee802.org/3/br/index.html>
- <http://standards.ieee.org/develop/project/802.3br.html>

3. P802.1AEcg

Latest draft: <http://www.ieee802.org/1/files/private/cg-drafts/d0/802-1-AEcg-d0-3.pdf>

4. SC6 liaison

5. Privacy related issues

6. 802.15.9 liaison/participation

Minute Details

0. Patent Policy

The chair showed the patent policy slides at the start of the Tuesday 9.00 AM session, and issued a reminder and call at the start of the sessions on Wednesday and Thursday AM. There were no responses at this time. The patent policy slides can be found in the

opening plenary slides of any recent meeting (pointer distributed to the 802.1 email list by the 802.1 WG chair) if attendees wished to study them further, and notifications of essential patents can be made to either the TG or WG chair at any time.

1. P802.1ARce

D0.5 was reviewed in the Tuesday a.m., Wednesday a.m., and Thursday a.m. discussions, focusing on the issues highlighted in the current draft. The editor (Mick Seaman) met with Max Pritikin (final .1AR-2009 editor) to understand the original intent and background to the conformance issues arising as we add P-384/SHA-384. Thanks also to Sue Leicht and Mike Boyle for their input during this meeting.

Resolution (or editor's best attempt) will be documented in the next draft.

2. MACsec and pre-emption and priority-based re-ordering

Brian Weis presented –

<http://ieee802.org/1/files/public/docs2014/ae-weis-replay-protection-and-preemption-1105-v00.pdf>

– in the Wednesday a.m. session. In brief this considered pre-emption related misordering in the wider context of priority/traffic class misordering, particularly in the light of experience of using MACsec over provider bridged networks and provider L2 services in general.

Agreed that we should adopt the multiple SA approach to cover the full range of cases. While two SAs would address the most common requirements, the solution should cover more.

We returned to the subject in the Thursday a.m. session. Mick noted that the multiple SA solution did not require distribution/derivation of further SAKs as the SAs would necessarily be distinguished by SCI, and the SCI formed part of the IV. The two SAs would thus appear (to the peer at the other end of the link) just as separate stations would in a multi-point scenario. From the point of view of the originator of

the SAs there is no requirement to actually implement as two separate MKA participants: a single participant with two MIs each with its SCI, lowest acceptable PN values etc. would

be sufficient. Thus there is no need to (a) complicate SAK/CAK rollover (b) change or add to the MKPDU packet formats. So there would be no pressing need to amend 802.1Xbx.

Clarification/enhancement to 1AE to explain the use of two (or more) SAs for this purpose is within the scope of .1AEcg.

3. **P802.1AEcg**: There was no work specifically on this issue at this meeting, but see the closing comments on item 2 above. Editor will draft text as soon as possible so an appropriate pointer can be supplied to the editor of P802.1Qbu.

4. **SC6 liaison**

JTC1 SC discussions were held Tuesday 1.30 pm.

These are separately minuted.

The 802.1 maintenance task group is responsible for preparing responses to comments received on the PSDO ballot of Std 802. No actions for the Security TG at this time. 802.1Xbx will be forwarded for adoption under the PSDO agreement when final text is available.

5. **Privacy related issues**

There was no task group specific work on these issues. Task group members participated in the other discussions occurring at this plenary, and these are/will be separately minuted.

6. **802.15.9 liaison/participation**

The task group participated in the P802.15.9 discussions held Monday PM, Tuesday PM and Wednesday PM. P802.15.9 contains an Annex (A) developed by the task group that explains how to carry 802.1X/MKA over the KMP (Key Management Protocol) Transport provided by P802.15.9. This annex was also reviewed, with some final tweaking, in the task group session Wednesday a.m.

802.15 stations can sleep (to save battery power) for periods up to a month (possibly more?), the MKA suspension capability standardized in 802.1Xbx supports this behavior (with appropriately long timer values) including the ability to send MKPDUs (if needed) during waking times while prolonging the suspension by continuing to send a non-zero 'suspendFor' value in those MKPDUs (effectively hitting the snooze button). This avoids triggering an SAK distribution when the station wakes up.

In addition to supporting 802.1X/MKA there is also an interest in supporting an 802.1X/802.11 style of operation. In each case there is interest in leveraging existing code bases. Since the availability of one or the other is currently determined by context it is appropriate to assign a different KMP ID (within

P802.15.9) and develop explanatory text as a new Annex. Brian Weis, who drafted Annex A, volunteered to draft the new Annex.

P802.15.9 will go for 802.15 working group ballot shortly after the close of this meeting (802.15.9 does not use task group ballots). The consensus of the 802.1 task group was that the main body of the text of that document is not ready for such a ballot. The members of each 802.15 BRC (Ballot Resolution Committee) are proposed by the relevant task group and confirmed by the working group - the ballot resolution process is

not open to other working group members or outsiders. Brian Weis volunteered to join the P802.15.9 BRC for this ballot (BRC members for individual 802.15 documents are changed or reappointed at each plenary).

Bob Moskowitz (P802.15.9 chair) said he would talk to Bob Heile to ensure votes/comments would be accepted from 802.1 members.

Interworking minutes

Monday, 3 November

Meeting was called to order at 9:10 AM.

Stephen Haddock presented the preliminary agenda for the week.

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

802.1Qbz WWB: Norm Finn gave an overview of the status of the 802.1Qbz Wired and Wireless Bridging project, and walked through d1.5. This project is closely related to 802.11ak and 802.1-AC-REV. Both of those projects have now progressed to the point where work on 802.1Qbz can resume. Norm expects to have a Working Group ballot on 802.1Qbz-d1.5.

- <http://www.ieee802.org/1/files/private/bz-drafts/d1/802-1Qbz-d1-5.pdf>

Adjourn at 9:40 AM.

Interworking Task Group meeting called to order at 2:20 PM.

Adjourn at 5:15 PM.

Tuesday, 4 November

Note: Below are the merged meeting notes of Stephen Haddock & Rodney Cummings.

Michael Johas Teener called the joint Interworking/Time-Sensitive Networking meeting to order at 9:00 AM.

Michael Johas Teener reviewed Patent Policy. There was no response to the call for patents.

802.1Qca PCR: János Farkas presented 802.1Qca Status

<http://www.ieee802.org/1/files/private/ca-drafts/d1/802-1Qca-d1-1.pdf>

<http://www.ieee802.org/1/files/public/docs2014/ca-farkas-d1-1-editor-report-1114-v02.pdf>

<http://www.ieee802.org/1/files/public/docs2014/ca-farkas-d1-1-tutorial-1114-v01.pdf>

P802.1CB : Norman Finn presented P802.1CB Status

<http://www.ieee802.org/1/files/private/cb-drafts/d0/802-1CB-d0-5.pdf>

TSN Input Gates: Norman Finn presented New work TSN Input Gates

<http://www.ieee802.org/1/files/public/docs2014/new-nfinn-input-gates-1014-v02.pdf>

802.1Qcc: Rodney Cummings presented 802.1Qcc D0.2 Walkthrough

<http://www.ieee802.org/1/files/private/cc-drafts/d0/802-1Qcc-d0-2.pdf>

MSRP v0-to-v1 Interoperability: Craig Gunther presented

<http://www.ieee802.org/1/files/public/docs2014/cc-cgunther-msrp-v0-v1-interop-1114-v02.pdf>

Guaranteed Latency: Marcel Kiessling presented

<http://www.ieee802.org/1/files/public/docs2014/new-tsn-kiessling-TSN-Streams-1114-v01.pdf>

Stream Metering for TSN Update: Feng Chen presented

<http://www.ieee802.org/1/files/public/docs2014/tsn-chen-goetz-stream-metering-1114-v01.pdf>

Ingress Policing in Automotive Systems: Soheil Samii presented

<http://www.ieee802.org/1/files/public/docs2014/new-tsn-samii-specht-ingress-policing-in-automotive-1114-v01.pdf>

802.1Qcc: Rodney Cummings presented 802.1Qcc Planning

<http://www.ieee802.org/1/files/public/docs2014/cc-cummings-planning-1114-v1.pdf>

Adjourn at 6:00 PM.

Wednesday, 5 November

Interworking Task Group meeting was called to order at 9:00 AM.

Stephen Haddock presented patent policy slides. There was no response to the call for patents.

802.1Qca PCR: János Farkas gave a tutorial and an editor's report on 802.Qca-d1.1 Path Control and Reservation, and led a discussion to resolve comments on the working group ballot:

<http://www.ieee802.org/1/files/private/ca-drafts/d1/802-1Qca-d1-1.pdf>

<http://www.ieee802.org/1/files/public/docs2014/ca-farkas-d1-1-editor-report-1114-v02.pdf>

<http://www.ieee802.org/1/files/public/docs2014/ca-farkas-d1-1-tutorial-1114-v01.pdf>

<http://www.ieee802.org/1/files/private/ca-drafts/d1/802-1Qca-d1-1-pdis-v01.pdf>

Break at 12:00 Noon.

Resume at 1:30 PM.

New Work: Don Pannell gave a presentation regarding OUI consumption rate.

<http://www.ieee802.org/1/files/public/docs2014/New-pannell-MAC-Address-Issues-in-802dot1-1114-v1.pdf>

Stephen Haddock and Pat Thaler led a discussion on comments received on the proposed 802c PAR regarding Local Addresses. The resolution was to defer submitting the PAR to the EC and request a 802.1 Study Group on Local Addresses.

Roger Marks gave a presentation regarding use of Local Addresses:

<http://www.ieee802.org/1/files/public/docs2014/new-p802c-marks-LocalSpaceUse-1114.pdf>

Adjourn at 4:00 PM.

Thursday, 6 November

Joint meeting of 802.1 and 802.11 called to order at 8:00 AM.

Donald Eastlake presented patent policy slides. There was no response to the call for patents.

Donald Eastlake will minute the joint meeting (no minutes received).

The joint meeting concluded at 10:00 AM, and the Interworking Task Group meeting resumed at 10:15 AM.

Liaisons: Stephen Haddock reviewed the liaisons received since the March plenary. It was concluded that no response is required for the liaison from MEF to IETF with a cc to 802.1. John Messenger presented a proposed response to ITU-T LS105, and Stephen Haddock presented a proposed response to ITU-T LS 165. These proposed liaison responses will be considered at the 802.1 Closing Plenary.

http://www.ieee802.org/1/files/public/docs2014/liaison-MEFL00214_IETF_OAM YANG.docx

http://www.ieee802.org/1/files/public/docs2014/liaison-ITUTSG15-LS105_229P-AnnA-0414.zip

http://www.ieee802.org/1/files/public/docs2014/liaison-ITUTSG15-LS165_WP3-119_Ann3-0914.DOCX

New Work: Paul Unbehagen reviewed the presentation he gave at the Ottawa interim regarding LLDP TLVs that allow devices without MAC-in-MAC capability to automatically attach to a Backbone Service Instance in a Provider Backbone Network.

<http://www.ieee802.org/1/files/public/docs2014/new-unbehagen-802-1AB-rev-auto-attach-v00.pptx>

Adjourn at 11:30 AM.

TSN Meeting Minutes

Monday, 3 November

0830-1100, TSN Pre-meeting

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

Geoff Garner presented IEEE 802.1AS Corr 2 Status

<http://www.ieee802.org/1/files/private/as-cor-2-drafts/d0/802-1AS-cor-2-d0-1.pdf>

Geoff Garner presented IEEE 802.1AS Revision Draft 0.7

<http://www.ieee802.org/1/files/private/asbt-drafts/d0/802-1ASbt-d0-7.pdf>

Michael Johas Teener reviewed the agenda, as outlined in these minutes.

1100-1300, 802.1 Opening Plenary Meeting

1400-1700, TSN

Wilfried Steiner presented Decoupling .1Qbv from .1AS

<http://www.ieee802.org/1/files/public/docs2014/new-tsn-wsteiner-8021Qbv-1AS-decoupling-1114-v01.pdf>

Lu Huang presented Mechanisms for Delay Asymmetry

<http://www.ieee802.org/1/files/public/docs2014/asbt-huang-mechanisms-for-delay-asymmetry-1114.pdf>

Don Pannell presented TSN Work - Where Do We Go from Here?

<http://www.ieee802.org/1/files/public/docs2014/TSN-pannell-StandardsUpdateAndActions-1114-v1.pdf>

Tuesday, 4 November

Joint meeting of Interworking and TSN – See Interworking minutes above

Wednesday, 5 November

0900-1200, TSN

Michael Johas Teener reviewed Patent Policy. There was no response to the call for patents.

Tony Jeffree presented P802.1Qbu Ballot Review

<http://www.ieee802.org/1/files/private/bu-drafts/d1/802-1Qbu-d1-1.pdf>

<http://www.ieee802.org/1/files/private/bu-drafts/d1/802-1Qbu-D1-1-pdis-v1.pdf>

Tony Jeffree presented P802.1Qbv Review

<http://www.ieee802.org/1/files/private/bv-drafts/d2/802-1Qbv-d2-1.pdf>

Michael Johas Teener presented 802.1Qch PAR Update

<http://www.ieee802.org/1/files/public/docs2014/ch-mjt-cyclic-queuing-and-fowarding-par-0914-v02.pdf>

Geoff Garner presented 802.1ASrev Features Update

<http://www.ieee802.org/1/files/public/docs2014/as-garner-status-of-802-1asbt-features-1114.pdf>

1300-1500, 802.1 Meeting on 802c PAR

Don Pannell presented How 802.1 Can Help with the MAC Address Usage Issue

<http://www.ieee802.org/1/files/public/docs2014/New-pannell-MAC-Address-Issues-in-802dot1-1114-v1.pdf>

Pat Thaler led a discussion of the 802c PAR

<http://www.ieee802.org/1/files/public/docs2014/new-addresses-thaler-local-address-par-v01.pdf>

<http://www.ieee802.org/1/files/public/docs2014/new-addresses-thaler-local-address-csd-v01.pdf>

<http://www.ieee802.org/1/files/public/docs2014/new-addresses-thaler-local-address-acquisition-0914-v1.pdf>

1500-1800, TSN

Peter Ashwood-Smith presented CPRI over TSN Update

<http://www.ieee802.org/1/files/public/docs2014/new-ashwood-tsn-cpri-fronthaul-1101-v01.pdf>

Johannes Specht and Soheil Samii presented Considerations on Ingress Policing for 802.1Qbv

<http://www.ieee802.org/1/files/public/docs2014/new-tsn-specht-samii-tas-protection-1114-v02.pdf>

Johannes Specht presented UBS in Automotive Systems

<http://www.ieee802.org/1/files/public/docs2014/new-tsn-specht-ubs-automotive-1114-v01.pdf>

Thursday, 6 November

0800-1000, Joint 802.1/802.11

1000-1100, TSN

Michael Johas Teener reviewed Patent Policy. There was no response to the call for patents.

Ludwig Winkel discussed the status of IET (802.3br).

Geoff Garner presented 802.1ASrev Features Update (continued)

<http://www.ieee802.org/1/files/public/docs2014/as-garner-status-of-802-1asbt-features-1114.pdf>

Norman Finn presented Review of IETF Detnet BOF Material

<http://www.ieee802.org/1/files/public/docs2014/tsn-nfinn-IEEE-TSN-Status-for-IETF-1114-v02.pdf>

1300-1700, 802.1 Closing Plenary Meeting.

OmniRAN Meeting Minutes

OmniRAN November meeting minutes are incorporated into these minutes by reference and are available at:

<https://mentor.ieee.org/omniran/dcn/14/omniran-14-0085-00-00TG-november-2014-f2f-meeting-minutes.docx>

In addition, an amended meeting presentation is available at:

<https://mentor.ieee.org/omniran/dcn/14/omniran-14-0074-02-00TG-november-2014-f2f-meeting-slides.pptx>

Current status of OmniRAN activities – including future meeting announcements, past meeting and conference call minutes – is available via a wiki located at:

<https://mentor.ieee.org/omniran/bp/StartPage>

Maintenance Meeting Minutes

The Maintenance Task Group met from 8:00 to 9:00 AM on Monday, 3 November.

Maintenance meeting minutes are incorporated into these minutes by reference and are available at:

<http://www.ieee802.org/1/files/public/maint/2014-11-maintenance.pdf>

Closing Plenary (Thursday, 6 November, 2014)

Closing Plenary slides are available at:

<http://www.ieee802.org/1/files/public/minutes/2014-11-closing-plenary-slides.pdf>

The Chair (Glenn Parsons) led discussion of the following items:

- Material already covered in the opening plenary
 - Policy presentation and call for potentially essential patents
 - **no response**
 - Upload information:
 - <http://ieee802.org/1/filenaming.html>
 - Please upload before your presentation
 - Officers (no change)
 - Website and password (no change)
 - Voter status (see slides)
 - New voters out of this week (see slide 10)
- 802 reports
 - IETF SC – Pat summarized this activity
 - JTC1 SC – Comments on 802 in Maintenance
 - ITU SC – IEEE Internet Initiative (Glenn talked briefly about this)
 - SA E-Tools – new myProject
 - New 60-day public review process starting end of year (2014)
 - myProject Suite requirements in 2015
 - Voting – epoll
 - Documents – mentor
- Future Interim meetings
 - January 12-15 2015:
 - 802-sponsored Interim in Atlanta
 - Hyatt Regency Atlanta - US\$169
 - Early registration (US\$500) deadline – Dec 5th
 - May 19-22, 2015:
 - Hosted by Ethernet Alliance (PoC: John D'Ambrosio)
 - Corrected dates, in Pittsburgh, PA

- Note that – while the meeting starts on Monday, 18 May – 802.1 meetings start on Tuesday, 19 May
 - <http://ieee802.org/1/files/public/docs2014/admin-dambrosia-may15-meeting-1014-v1.pdf>
 - September 8-11, 2015
 - Michael Johas Teener – Broadcom
 - Santa Cruz, Dream Inn – US \$215/night
 - Meeting fee US \$500
 - January 18-21, 2016
 - 802-sponsored Interim in Atlanta
 - Hyatt Regency Atlanta – US \$179
 - Early Registration US \$500
 - Spring & Fall 2016 – Hosts?
- Project status Sanity check – current workload review
 - 20 current projects (including in-progress PARs)
 - See slide 14 for details
- Task Group reports were given for the following areas (see individual task group minutes and/or status from above for details):
 - Interworking – Steve Haddock provided a summary of this week’s work
 - TSN – Michael Johas-Teener reported progress on TSN work
 - OmniRAN – Max Riegel provided a status update on work in this TG
 - Security – Mick Seaman provided a status/update on work in this TG
 - Maintenance – John Messenger reported progress made

Motions

General 802.1

- 802.1 approves the March 2014 Plenary and May 2014 Interim meeting minutes:
 - <http://www.ieee802.org/1/files/public/minutes/2014-07-minutes.pdf>
 - <http://www.ieee802.org/1/files/public/minutes/2014-09-minutes.pdf>
 - Acclamation
- Hold pre-meeting(s) on Monday Morning at the November 2014 Plenary meeting for TSN
 - Acclamation
- Meet May 19-22, 2015, in Pittsburgh, PA, hosted by Ethernet Alliance

Yes 24 Abstain 2 No 0

- Meet September 8-11, 2015 in Santa Cruz, hosted by Broadcom
Yes 23 Abstain 1 No 0
- Meet January 18-21, 2016 in Atlanta hosted by IEEE 802
Yes 17 Abstain 8 No 0

Interworking

- Authorize 1-hour teleconferences for 802.1Qbz/802.11ak coordination on 11/24 and 12/15, at 11:00 AM Eastern US time. Teleconference access details to be announced on the 802.1 reflector
For 19 Abstain 5 Against 0
- Authorize the editor of P802.1Qca Path Control & Reservation (Janos Farkas) to prepare a draft for WG recirculation.
For 25 Abstain 0 Against 0
- Authorize the January 802.1 interim to draft a PAR and CSD (including 5C) for pre-circulation to the EC, for an IEEE 802 project on Local Address space usage.
For 26 Abstain 0 Against 0
- Request EC approval to form an 802.1 Local Address Study Group to develop a PAR and CSD for a recommendation on Local Address usage and develop one or more PARs on protocols for local address acquisition
For 27 Abstain 0 Against 0
- Authorize the January 802.1 interim to draft a PAR and CSD (including 5C) for pre-circulation to the EC, for an IEEE 802.1Q amendment specifying LLDP extensions that enable devices without MAC-in-MAC capability to automatically attach to a backbone service instance.
For 22 Abstain 5 Against 0
- Approve a liaison to MEF informing them of the completion of 802.1AX-REV and attaching d4.54 and authorizes the chair to draft a liaison.
<http://www.ieee802.org/1/files/public/docs2014/liaison-on-802-1AX-REV-completion-1114.docx>
For 26 Abstain 1 Against 0
- Approve a liaison to ITU-T SG15 Q9, Q10, Q12, BBF and IETF Routing and Internet Areas informing them of the completion of 802.1AX-REV and attaching d.4,54 and authorizes the chair to draft a liaison.
<http://www.ieee802.org/1/files/public/docs2014/liaison-on-802-1AX-REV-completion-1114.docx>
For 24 Abstain 0 Against 0

- Approve the response to ITU-T liaison LS165.
<http://www.ieee802.org/1/files/public/docs2014/liaison-response-itu-t-ls165-1114.docx>
For 22 Abstain 2 Against 1
- Approve the response to ITU-T liaison LS105.
<http://ieee802.org/1/files/public/docs2014/liaison-response-to-itu-t-LS-105-otnt-1114-v01.pdf>
For 21 Abstain 2 Against 1

TSN

- Hold teleconferences weekly at 9 AM (US Pacific Time) Wednesdays for TSN general topics; access information is posted at <http://802.org/1/pages/tsn.html> page and will be updated as necessary
 - Acclamation
- Authorize the editor of P802.1Qbu (Tony Jeffree) to prepare a draft for Working Group balloting
For 22 Abstain 0 Against 0
- Authorize the editor of P802.1CB (Norm Finn) to prepare drafts for Task Group balloting.
For 22 Abstain 0 Against 0
- Authorize the editor of P802.1Qcc (Rodney Cummings) to prepare drafts for Task Group balloting.
For 22 Abstain 0 Against 0
- Authorize the January 2015 interim to generate a PAR and CSD for pre-circulation to the EC for an amendment to 802.1Q: Ingress Filtering
For 19 Abstain 2 Against 0
- Approves the CSD and requests EC approval to submit the P802Qch PAR to NesCom.
<http://www.ieee802.org/1/files/public/docs2014/ch-mjt-cyclic-queuing-and-forwarding-par-csd-0814-v01.pdf>
<http://www.ieee802.org/1/files/public/docs2014/ch-mjt-cyclic-queuing-and-fowarding-par-0914-v02.pdf>
For 23 Abstain 0 Against 0
- Approves the liaison to CPRI.
<http://www.ieee802.org/1/files/public/docs2014/liaison-CPRI-1114-v2.docx>
For 23 Abstain 0 Against 0

OmniRAN

- Hold conference calls on
 - December 16th, 10:00AM ET, and
 - February 10th, 10:00AM

Acclamation

Security

- Hold teleconferences to progress P802.1AEcg and P802.1ARce and other task group matters that arise
 - November 25th 2014 at 10.00 am PST
 - December 9th 2014 at 10.00 am PST
 - Additional dates/times to be announced subject to notice of at least 30 days to the 802.1 email exploder

Acclamation

DCB

- Confirm the 5C and request EC approval to forward IEEE 802.1Qcd to RevCom.
<http://www.ieee802.org/1/files/public/docs2013/new-p802-1qcd-draft-5c-0513-v01.pdf>
For 23 Abstain 0 Against 0

Maintenance

- Authorize Maintenance TG to hold teleconferences on 7th January and 3rd March, 2015 at 11 AM EST if necessary. Access information will be posted to the 802.1 reflector in advance.
 - Acclamation
- Authorize the editor of P802.1AS-Cor2 (Geoff Garner) to prepare an initial draft and submit it for working group ballot following approval of the PAR
For 25 Abstain 0 Against 0
- Approve the CSD for 802.1AS-Rev and request EC approval to forward 802.1AS-Rev PAR to NesCom.
 - CSD: <http://ieee802.org/1/files/public/docs2014/new-802-1AS-rev-draft-csd-1114-v2.pptx>
 - PAR: <http://ieee802.org/1/files/public/docs2014/new-802-1AS-rev-draft-par-1114-v2.pdf>For 23 Abstain 0 Against 0
- Request EC conditional approval to forward 802.1AB-Cor2 to RevCom

For 23 Abstain 0 Against 0

- Confirm the 5C and request EC approval to forward the IEEE 802.1Qbv PAR modification to NesCom
 - 5C - <http://www.ieee802.org/1/files/public/docs2012/Qbv-pannell-draft-5C-0112-v03.pdf>
 - PAR - <http://www.ieee802.org/1/files/public/docs2014/bv-p802-1Qbv-par-modification-1114.pdf>

For 23 Abstain 0 Against 0

- Request EC approval to forward the IEEE 802.1Q:2014 Cor-1 PAR to NesCom.
<http://www.ieee802.org/1/files/public/docs2014/new-p802-1Q-2014-cor-1-par-1114.pdf>

For 23 Abstain 0 Against 0

- Request EC approval to forward Std 802.1AX-REV to ISO/IEC JTC1 SC6, for information under the PSDO agreement after publication by IEEE

For 22 Abstain 0 Against 0

Closing Plenary adjourned