

IEEE 802.1 Interim Meeting
 Vancouver, British Columbia, Canada
802.1 Meeting Minutes - January 2013

Attendees

<i>Last Name</i>	<i>First Name</i>	<i>Middle Name</i>	<i>Affiliation</i>
Arnold	Douglas		Symmetricom
			Deggendorf University of Applied Sciences, Hirschmann
Boiger	Christian		Automation and Control, Inc.
Booth	Brad		Dell
Bragg	Nigel		ciena
Cummings	Rodney		National Instruments Corporation
Diamond	Patrick		Semtech Ltd
Diarra	Aboubacar Kader		Robert Bosch GmbH
Edge	Bob		Consultant
Ellegaard	Lars		Vitesse Semiconductor Corporation
Farkas	Janos		Ericsson AB
Finn	Norman		Cisco Systems, Inc.
			Broadcom Corporation, Marvell Semiconductor, Siemens AG,
Garner	Geoffrey		Hirschmann
Ghanwani	Anoop		Dell
Goetz	Franz		Siemens AG
Grow	Robert		RMG Standards Consulting, MOST Co-Operation
GU	HWERS		Huawei Technologies Co. Ltd
Gunther	Craig		Harman International
Haddock	Stephen		Stephen Haddock Consulting, LLC
Jeffree	Anthony		HP, Broadcom
Johas			
Teener	Michael		Broadcom Corporation
Kiessling	Marcel		Siemens AG
Kim	Yongbum		Broadcom Corporation
Klein	Philippe		Broadcom Corporation
Kleineberg	Oliver		Hirschmann Automation and Control, Inc.
Lynch	Jeff		IBM
Mack-Crane	Thomas		Huawei Technologies Co. Ltd
Magee	Anthony		ADVA Optical Networking Ltd.
Messenger	John		ADVA Optical Networking Ltd.
Mihalache	Razvan		Robert Bosch GmbH
Muyshondt	Henry		MOST Cooperation
Pannell	Donald		Marvell Semiconductor, Inc.
Parsons	Glenn		Ericsson AB

Randall	Karen	NSA/IAD
Sabony	Mazda	Advanced Micro Devices (AMD)
Saltsidis	Panagiotis	Ericsson AB
Schell	Rick	Verizon
Sexton	Daniel	General Electric Company (GE)
Specht	Johannes	University of Duisburg-Essen and General Motors Company
Steiner	Wilfried	TTTech Computertechnik AG
Thaler	Patricia	Broadcom Corporation
Unbehagen	Paul	Avaya Inc.
Weber	Karl	ZHAW

Task Group Minutes

Interworking minutes

Monday 14 January

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.

802.1Qbz WWB: Norm Finn gave a presentation on issues to be resolved as part of the Wired Wireless Bridging project.

<http://ieee802.org/1/files/public/docs2012/new-nfynn-11-medium-choice-0812-v04.pdf>

Break at 11:00am

Resume at 1:30 PM.

802.1AX-Rev DRNI: Norm Finn continued walked through 802.1AX-REV-d0.5 Link Aggregation with Distributed Resilient Network Interconnect highlighting differences from d0.4.

<http://www.ieee802.org/1/files/private/ax-rev-drafts/d0/802-1AX-REV-d0-5.pdf>

<http://www.ieee802.org/1/files/private/ax-rev-drafts/d0/802-1AX-REV-d0-5-cb.pdf>

Informal discussions of feedback from Norm's presentation to the 802.11ak group, and of the 802.1 tutorial Pat Thaler is coordinating for an informational session at the March IETF meeting.

Adjourn at 5:00 PM.

Tuesday 15 January

Joint meeting of Interworking and Time Sensitive Networking (TSN -- formerly known as AVB)

Task Groups called to order at 9:00am.

Michael Teener made the call for patents. There was no response.

SRP: Don Pannell showed slide 40 of his presentation on AVB Gen 2 assumptions. This slide highlights some issues and questions he wanted to put before the Interworking Task Group participants, and he specifically requested a short presentation on what the Provider Bridging projects added to 802.1Q in the way of policing.

<http://www.ieee802.org/1/files/public/docs2013/avb-pannell-gen2-assumptions-0113-v13.pdf>

SRP: Marcel Kiessling gave a presentation on proposals for MSRP gen 2.

<http://ieee802.org/1/files/public/docs2013/new-avb-kiessling-MSRP-Gen-2-for-TSN.pdf>

Transparent Clocks: Pat Diamond and Lars Elsgaard gave a presentation on 1588 Transparent Clock use cases.

<http://www.ieee802.org/1/files/public/docs2013/new-tc-ellegaard-1588-tc-uc-v01-0113.pdf>

Break at 12:00 PM

Resume at 1:30 PM

Transparent Clocks: Anthony Magee proposed a time tag for support of 1588.

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-timetag-proposal-0113.pdf>

TSN: Norm Finn gave a presentation he described as a plea for L2 and L3 cooperation on QoS:

<http://www.ieee802.org/1/files/public/docs2013/new-QoS-nfinn-L2-L3-cooperation-0113-v01.pdf>

802.1Qca PCR: Janos Farkas and Nigel Bragg gave presentations on a proposal for the solution and specification of each item in the scope statement of 802.1Qca SPB Path Control and Reservation, and on the role of SPB in PCR.

<http://www.ieee802.org/1/files/public/docs2013/ca-farkas-proposal-0113-v01.pdf>

<http://www.ieee802.org/1/files/public/docs2013/ca-nbragg-SPB-Explicit-Routes-0113-v01.pdf>

Adjourn at 5:30 PM.

Wednesday 16 January

Meeting called to order at 9:00am.

Ben Mack-Crane presented patent policy slides. No response to the call for patents.

802.1Qbp ECMP: Ben Mack-Crane reported on progress with the few remaining items from the last task group ballot of 802.1Qbp-d1.2 SPBM Equal Cost MultiPath. In particular, he summarized the results of discussions regarding CFM in an ECMP environment:

<http://www.ieee802.org/1/files/public/docs2013/bp-mackcrane-CFM-discussion-0113-v2.pdf>

<http://www.ieee802.org/1/files/public/docs2013/bp-mackcrane-cl44-00113.pdf>

Break at 12:15 PM

Resume at 1:30 PM

802.1Qbp ECMP: Continuation from the morning session.

Adjourn at 5:00 PM.

Thursday 17 March

Joint meeting of 802.11ak (Wired/Wireless Bridging) and 802.1 TSN and IWK (Interworking) called to order at 8:00am.

Donald Eastlake gave the call for patents. There was no response.

802.1Qbz WWB: Norm Finn gave a series of presentations on potential solutions to issues raised earlier in the week.

<http://www.ieee802.org/1/files/public/docs2013/bz-nfinn-soln-tagging-0113-v01.pdf>

<http://www.ieee802.org/1/files/public/docs2013/bz-nfinn-soln-architecture-0113-v01.pdf>

<http://www.ieee802.org/1/files/public/docs2013/bz-nfinn-soln-unreliable-links-0113-v01.pdf>

<http://www.ieee802.org/1/files/public/docs2013/bz-nfinn-soln-station-subset-0113-v01.pdf>

Adjourned the joint meeting with 802.11 at 9:45 and reconvened the 802.1 TSN and IWK Task Groups joint meeting.

802.1ACby MOST: Bob Grow presented an update of the 802.1ACby PAR:

<http://www.ieee802.org/1/files/public/docs2013/ACby-Grow-ACbyPARreview-0113.pdf>

TSN: Stephen Haddock gave a presentation on the frame classification and metering in 802.1Q and the MEF Bandwidth Profile algorithm referenced by 802.1Q (Ingress QoS Labeling in 802.1Q):

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-haddock-flow-metering-in-Q-0113-v01.pdf>

John Messenger shared meeting plans and hotel information for the September interim:

<http://www.ieee802.org/1/files/public/docs2013/admin-messenger-sep13-york-meeting-0113-v01.pdf>

Adjourn Joint meeting at 12:00 PM.

AVB Minutes

Monday 14 January

0900-1200

Michael Johas Teener presented Administration/Patent Policy/Agenda.

There was no response to the call for patents.

Don Pannell presented Assumptions Review (Part 1)

<http://www.ieee802.org/1/files/public/docs2013/avb-pannell-gen2-assumptions-0113-v13.pdf>

1300-1700

Geoffrey M. Garner presented 802.1AS-Cor-1/D2.1 Ballot Comment Resolution

<http://www.ieee802.org/1/files/public/docs2013/802-1AS-Cor-1-d2-1-pdis.pdf>

Marcel Kiessling presented Improvement for gPTP Gen 1

<http://www.ieee802.org/1/files/public/docs2013/as-kiessling-Improvements-4-gPTP-Gen-1-20130114-v01.pdf>

Franz-Josef Goetz presented Two Time Scales for gPTP Gen 2

<http://www.ieee802.org/1/files/public/docs2013/as-goetz-TwoTimeScales-4-Industrial-20130114-v01.pdf>

Philippe Klein presented Time Synch Robustness

<http://www.ieee802.org/1/files/public/docs2013/tsn-phk1-8021as-bmca-robustness-0113-v1.pdf>

Tuesday 15 January

0900-1200

Morning session of joint Interworking/TSN meeting (see notes above).

1300-1700

Afternoon session of joint Interworking/TSN meeting (see notes above).

Wednesday 16 January

0900-1200

Rodney Cummings presented Follow-up on Peristaltic Proposal

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-peristaltic-followup-0113-v1.pdf>

Franz-Josef Goetz presented Alternative Shaper for Scheduled Traffic in TSN

<http://www.ieee802.org/1/files/public/docs2013/new-goetz-TSN-4-Industrial-Networks-20130115-v1.pdf>

1300-1700

Philippe Klein presented Single Method for Prioritized and Parameterized QoS Flows

Christian Boiger presented PAR & 5C - Seamless Failover via Frame Replication and Duplicate Frame Elimination for Scheduled Traffic.

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-boiger-seamless-availability-draft-par-0113-v01.pdf>

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-boiger-seamless-availability-draft-5C-0113-v01.pdf>

Johannes Specht presented Terminology Proposal: Redundancy for Fault Tolerance

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-specht-redundancy-terminology-20130115-v01.pdf>

Thursday 17 January

08:00-12:00

Joint meetings with 802.11 Working Group, and 802.1 Interworking and TSN Task Groups. See notes above.

13:00-17:00

Christian Boiger presented Gates vs. Windows and Scheduled Traffic

<http://www.ieee802.org/1/files/public/docs2013/bv-boiger-gates-vs-windows-scheduled-traffic-0113.pdf>

Don Pannell presented Queue Names and Parameters

<http://www.ieee802.org/1/files/public/docs2013/tsn-pannell-queue-names-0113-v1.pdf>

Philippe Klein presented Follow-up on BMCA Issues

Don Pannell presented Assumptions Review (Part 2)

<http://www.ieee802.org/1/files/public/docs2013/avb-pannell-gen2-assumptions-0113-v13.pdf>

Security Minutes

Attendance

Karen Randall (NSA/IAD)

Brian Weis

James McIntosh

Mick Seaman (802.1 Task Group Chair, minutes of this meeting)

Tuesday 29 January

The purpose of the meeting was to prepare for the upcoming 802.1 Security TG interim meeting in Austin (12th This would discuss:

- P802.1Xbx

- the recent SC6 ballots pre-ballots under the PSDO on 802.1X and 802.1AE (both passed), the China NB member comments, and the response drafted by Dan Harkins

- the 'MACsec hops' note and related guidance (an updated version has since been uploaded)

- any other maintenance issues arising on 802.1AE or 802.1X

The chair showed the Patent Policy slides and issued a call for patents.

There were no responses to the call at this time.

Brian Weis presented slides discussing P802.1Xbx MKA suspension issues.

The slides are now available at:

<http://www.ieee802.org/1/files/public/docs2013/ae-weis-mka-suspension-0113.pdf>