

IEEE 802.1 Interim Meeting
 Victoria, British Columbia, Canada
802.1 Meeting Minutes - May 2013

Attendees

<i>Last Name</i>	<i>First Name</i>	<i>Middle Name</i>	<i>Affiliation</i>
Arnold	Douglas		Symmetricon
Beia	Christian		STMicroelectronics
Boiger	Christian		Deggendorf University of Applied Sciences, Hirschmann Automation and Control, Inc.
Bottorff	Paul		Hewlett-Packard Development Company, L.P.
Bragg	Nigel		Ciena
Cummings	Rodney		National Instruments Corporation
Diamond	Patrick		Semtech Ltd
Farkas	Janos		Ericsson
Finn	Norman		Cisco Systems, Inc.
Garner	Geoffrey		Broadcom Corporation, Marvell Semiconductor, Siemens AG, Hirschmann
Gunther	Craig		Harman International
Haddock	Stephen		Stephen Haddock Consulting, LLC
Hitt	Jeremy		Dell
Jeffree	Anthony		HP, Broadcom
Johas Teener	Michael		Broadcom Corporation
Kiessling	Marcel		Siemens AG
Kim	Yongbum		Broadcom Corporation
Lutz	Sharon		US Conec, Ltd.
Lynch	Jeff		IBM
Mack-Crane	Thomas		Huawei Technologies Co. Ltd
McIntosh	James		Vitesse Semiconductor Corporation
Messenger	John		ADVA Optical Networking Ltd.
Multanen	Eric		Intel Corporation
Muyshondt	Henry		MOST Cooperation
Parsons	Glenn		Ericsson AB
Rimboim	Poldi		Microsemi Corporation
Roszbach	Martin		Nexans Canada Inc.
Rouyer	Jessy		Alcatel-Lucent
Saltsidis	Panagiotis		Ericsson AB

Sexton	Daniel	General Electric Company (GE)
Steiner	Wilfried	TTTech Computertechnik AG
Thaler	Patricia	Broadcom Corporation
Ting	Ao	ZTE Corporation
Touve	Jeremy	Alcatel-Lucent
Tremblay	David	
Tretter	Albert	Siemens AG
Weber	Karl	Beckhoff, ZHAW
Welch	Brian	Luxtera
Winkel	Ludwig	Siemens AG
Yurko	Garold	TE Connectivity

Task Group Minutes

Interworking minutes

Tuesday, 14 May

Meeting called to order at 9:00am.

Stephen Haddock presented the preliminary agenda for the week.

Stephen Haddock reviewed the incoming liaisons that need to be looked at this week.

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

802.1Q-Rev: Tony Jeffree conducted comment resolution on the Working Group ballot of 802.1Q-REV-1.0:

<http://www.ieee802.org/1/files/private/q-2013-drafts/d1/IEEE802-1Q-REV-2013-d1-0.pdf>

<http://www.ieee802.org/1/files/private/q-2013-drafts/d1/802-1Q-REV-2013-d1-0-pdis-v2.pdf>

Break at 1:20pm for lunch

Resume at 2:30pm

802.1Q-Rev: Tony Jeffree continued comment resolution on the Working Group ballot of 802.1Q-REV-1.0.

802.1Qbp ECMP: Ben Mack-Crane conducted comment resolution on the working group recirculation ballot of 802.1Qbp-d1.4 SPBM Equal Cost MultiPath:

<http://ieee802.org/1/files/private/bp-drafts/d1/802-1bp-d1-4-dis.pdf>

Adjourn at 5:45 P.M.

Wednesday, 15 May

Joint meeting of Interworking and Time Sensitive Networking (TSN -- formerly known as AVB) Task Groups called to order at 9:00am.

Michael Teener made introductory remarks, including a reminder that the patent policy applies, and reviewed the agenda for the day.

Rodney Cummings gave a presentation regarding a tour of CERN for 802.1 participants at the July plenary meeting in Geneva:

<http://www.ieee802.org/1/files/public/docs2013/admin-cummings-cern-tour-july-geneva-0513-v1.pdf>

802.1Qca PCR: Janos Farkas presented an editor's update regarding the 802. Qca-d0.1 Path Control and Reservation, and a proposal for loop-free alternate paths:

<http://www.ieee802.org/1/files/public/docs2013/ca-farkas-editors-notes-0513-v01.pdf>

<http://www.ieee802.org/1/files/public/docs2013/ca-farkas-LFA-SPBM-unicast-0513-v01.pdf>

<http://iee802.org/1/files/public/docs2013/ca-farkas-path-status-notification-0513-v01.pdf>
<http://www.iee802.org/1/files/private/ca-drafts/d0/802-1ca-d0-1.pdf>

Break at 12:10pm for lunch

Resume at 1:30pm

802.1Q-Rev: Tony Jeffree presented specific comments from the Working Group ballot of 802.1Q-REV-1.0 for discussion and resolution.

SRP: Craig Gunther reviewed the proposed PAR for enhancements to SRP:
<http://www.iee802.org/1/files/public/docs2013/new-tsn-cgunther-SRP-enhancements-PAR-5C-0513-v04.pdf>

802.1Qbz WWB: Norm Finn gave presentations on wireless bridging architectures and progressing the work in the 802.1 and 802.11 documents:
<http://www.iee802.org/1/files/public/docs2013/bz-nfinn-more-dividing-the-work-0513-v01.pdf>
<http://www.iee802.org/1/files/public/docs2013/new-nfinn-AC-11ak-1Qbz-par5c-0513-v01.pdf>

802.1AC new work: MOST: Henry Muyschondt presented an update on the proposal to add a section in 802.1AC for supporting the ISS with MOST:
<http://iee802.org/1/files/public/docs2013/AC-Muyschondt-InterfacingMOSTEthernetChannel-0513-v01.pdf>

Ghani Abbas and Glenn Parsons discussed the plans for the joint ITU-T/IEEE-SA workshop associated with the July plenary in Geneva.

Adjourn at 6:15 P.M.

Thursday, 16 May

Meeting called to order at 9:00am.

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-d2.0 Link Aggregation with Distributed Resilient Network Interconnect:
<http://iee802.org/1/files/public/docs2013/axrev-saltsidis-project-status-0513-v01.ppt>
<http://iee802.org/1/files/private/ax-rev-drafts/d2/802-1AX-REV-d2-0-dis-v01.pdf>

Break at 12:00 pm

Resume at 1:30 pm

802.1AX-Rev DRNI: Panagiotis Saltsidis continued comment resolution on the task group ballot of 802.1AX-REV-d2.0 Link Aggregation with Distributed Resilient Network Interconnect. Nigel Bragg presented some ideas regarding a Time-shared IPL:
<http://www.iee802.org/1/files/public/docs2013/axrev-nbragg-time-shared-IPL-issues-0513-v01.ppt>

Adjourn at 7:00 P.M.

Friday, 17 May

Meeting called to order at 9:00am.

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

802.1Q-Rev: Tony Jeffree concluded comment resolution on the Working Group ballot of 802.1Q-REV-1.0. Stephen Haddock gave a presentation in support of his comment regarding MMRP:

<http://www.ieee802.org/1/files/public/docs2013/qrev-haddock-provider-mmpr-0513-v03.pdf>

Liaisons: Stephen Haddock called attention to the liaisons received since the last meeting including two from the MEF, one from ITU-T, and three invitations from the IETF to comment on drafts. No actions taken at this time, however 802.1 participants were requested to review the associated documents and make suggestions for responses at the July plenary.

<http://www.ieee802.org/1/files/public/docs2013/100181-000-liaison-enni-ovc-mib-bencheck.docx>

<http://www.ieee802.org/1/files/public/docs2013/100183-000-liaison-on-lbb-ad-bencheck.docx>

<http://www.ieee802.org/1/files/public/docs2013/liaison-itut-sg15-ols-026-0413.doc>

- draft-eastlake-rfc5342biz-02
- draft-ietf-trill-fine-labeling-06
- draft-mmm-bfd-on-lags-07

Adjourn at 11:00

TSN Minutes

Tuesday, 14 May

0900-1700, TSN

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

Geoffrey M. Garner presented 802.1AS-Cor-1/D3.1 Sponsor Ballot Recirculation Comment Resolution

<http://www.ieee802.org/1/files/private/as-cor-1-drafts/d3/802-1AS-Cor-1-d3-1-pdis.pdf>

Doug Arnold presented 1588 Revision Update

<http://www.ieee802.org/1/files/public/docs2013/asbt-arnold-1588update-0513-v02.pdf>

Geoffrey M. Garner presented Summary of IEEE Std 1588 – 2008 Optional Features Related to Redundancy and Potentially Improved Performance

<http://www.ieee802.org/1/files/public/docs2013/as-garner-summary-1588-opt-features-redundancy-0513.pdf>

Paul Briscoe presented Network-Based Timing and Synchronization (SMPTE)

<http://www.ieee802.org/1/files/public/docs2013/asbt-briscoe-timing-and-sync-SMPTE-0513.pdf>

Yongbum Kim presented Fault Tolerant Grand Master Functional Model

<http://www.ieee802.org/1/files/public/docs2013/ASbt-Spada-Kim-Fault-tolerant-grand-master-proposal-0513-v1.pdf>

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

<http://www.ieee802.org/1/files/public/docs2013/new-avb-wsteiner-8021AS-interoperability-ft-clocksnc-0514-v01.pdf>

Wednesday, 15 May

0900-1800

Joint meeting with 802.1 TSN and 802.1 Interworking task group

Rodney Cummings presented CERN Tour for IEEE 802.1

<http://www.ieee802.org/1/files/public/docs2013/admin-cummings-cern-tour-july-geneva-0513-v1.pdf>

János Farkas presented P802.1Qca - Editor's Report

<http://www.ieee802.org/1/files/public/docs2013/ca-farkas-editors-notes-0513-v01.pdf>

János Farkas presented Path Status Notification

<http://www.ieee802.org/1/files/public/docs2013/ca-farkas-path-status-notification-0513-v01.pdf>

János Farkas presented Loop Free Alternates for Unicast SPBM

<http://www.ieee802.org/1/files/public/docs2013/ca-farkas-LFA-SPBM-unicast-0513-v01.pdf>

Tony Jeffree presented 802.1Q Revision Comments

<http://www.ieee802.org/1/files/private/q-rev-drafts/d1/802-1Q-REV-2013-d1-0-pdis-v2.pdf>

Craig Gunther presented SRP Gen2 PAR & 5C

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-cgunther-SRP-enhancements-PAR-5C-0513-v04.pdf>

Norm Finn presented Wired/Wireless Bridging

<http://www.ieee802.org/1/files/public/docs2013/bz-nfinn-division-of-work-0413-v03.pdf>

<http://www.ieee802.org/1/files/public/docs2013/bz-nfinn-more-dividing-the-work-0513-v01.pdf>

<http://www.ieee802.org/1/files/public/docs2013/new-nfinn-AC-11ak-1Qbz-par5c-0513-v01.pdf>

Henry Muyshondt presented Interfacing to the MOST Ethernet Channel

<http://www.ieee802.org/1/files/public/docs2013/AC-Muyshondt-InterfacingMOSTEthernetChannel-0513-v01.pdf>

Glenn Parsons discussed planning for the IEEE / ITU workshop in Geneva

<http://www.itu.int/en/ITU-T/Workshops-and-Seminars/ethernet/201307/Pages/default.aspx>

Thursday, 16 May

0900-1200

Joint meeting with 802.1 TSN and 802.3 DMLT study group:

<http://www.ieee802.org/3/DMLT/index.html>

Christian Boiger presented Interspersing Express Traffic and Time Aware Shaping

<http://www.ieee802.org/1/files/public/docs2013/bu-boiger-IET-and-TAS-0513.pdf>

Pat Thaler presented Support for DMLT Guard Band

http://www.ieee802.org/3/DMLT/public/may13/8023-DMLT-SG-1305_P03_thaler-01-0513-support-for-guardband.pdf

Pat Thaler presented DMLT Negotiation

http://www.ieee802.org/3/DMLT/public/may13/8023-DMLT-SG-1305_P04_thaler-02-dmlt-negotiation.pdf

Geoff Thompson presented Some Issues within the 5 Criteria

http://www.ieee802.org/3/DMLT/public/may13/8023-DMLT-SG-1305_P01_Thomson_DMLT%20%205C%20Issues.pdf

Geoff Thompson presented Interspersion of Express Traffic-Technical Proposal for a Wire Compliant Solution

http://www.ieee802.org/3/DMLT/public/may13/8023-DMLT-SG-1305_P02_Thomson_Wire%20Compliant%20Interspersion.pdf

1300-1700

Resume TSN meeting.

Christian Boiger presented How Many Transmission Selection Algorithms Do We Need?

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-boiger-new-shaper-0513.pdf>

Marcel Kiessling presented Some Sources of Latency and Jitter

<http://www.ieee802.org/1/files/public/docs2013/bv-kiessling-Some-sources-of-Latency-and-Jitter-0513-v01.pdf>

Friday, 17 May
0900-1200

Wilfried Steiner presented Lessons Learned from Avionics Redundancy Management Methods as Input for IEEE 802.1CB

<http://www.ieee802.org/1/files/public/docs2013/new-avb-wsteiner-8021CB-lessons-learned-from-avionics-0513-v01.pdf>

Geoffrey M. Garner discussed 802.1AS-Cor-1/D3.1 Sponsor Ballot Recirculation Comment Resolution

Karl Weber presented How Many Systems Work?

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-weber-structuring-0513.pdf>

DCB Minutes

Wednesday, 15 May

Pat presented IEEE call for patent slides

No one responded verbally to the call for essential patents

Jeremy Hitt presented Application VLAN ID TLV PAR proposal slides. Slides are at:

<http://www.ieee802.org/1/files/public/docs2013/new-ghanwani-app-vlan-par-5c-0513-v01.pdf>

A couple minor edits were made resulting in:

<http://www.ieee802.org/1/files/public/docs2013/new-ghanwani-app-vlan-par-5c-0513-v02.pdf>

Paul Bottorff presented proposed fixes to the ECP transmit state machine

The new state machine diagram will go into the next Q-REV document

Contributions to the meeting

Prior to 13 May

<http://www.ieee802.org/1/files/public/docs2013/new-ghanwani-app-vlan-par-5c-0513-v01.pdf>
<http://www.ieee802.org/1/files/public/docs2013/bz-nfinn-division-of-work-0413-v03.pdf>
<http://www.ieee802.org/1/files/public/docs2013/as-garner-summary-1588-opt-features-redundancy-0513.pdf>

13 May

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-cgunther-SRP-enhancements-PAR-5C-0513-v04.pdf>

14 May

<http://www.ieee802.org/1/files/public/docs2013/802-rev-d1-6-SB-pdis-v00.ods>
<http://www.ieee802.org/1/files/public/docs2013/802-rev-d1-6-SB-pdis-v01.ods>
<http://www.ieee802.org/1/files/public/docs2013/802-rev-d1-6-SB-pdis-v02.ods>
<http://www.ieee802.org/1/files/public/docs2013/802-rev-d1-6-SB-pdis-v03.ods>
<http://www.ieee802.org/1/files/public/docs2013/ASbt-Spada-Kim-Fault-tolerant-grand-master-proposal-0513-v1.pdf>
<http://www.ieee802.org/1/files/public/docs2013/admin-cummings-cern-tour-july-geneva-0513-v1.pdf>
<http://www.ieee802.org/1/files/public/docs2013/asbt-arnold-1588update-0513-v02.pdf>
<http://www.ieee802.org/1/files/public/docs2013/asbt-briscoe-timing-and-sync-SMPTE-0513.pdf>
<http://www.ieee802.org/1/files/public/docs2013/bz-nfinn-more-dividing-the-work-0513-v01.pdf>
<http://www.ieee802.org/1/files/public/docs2013/new-avb-wsteiner-8021AS-interoperability-ft-clocksnc-0514-v01.pdf>
<http://www.ieee802.org/1/files/public/docs2013/new-nfinn-AC-11ak-1Qbz-par5c-0513-v01.pdf>

15 May

<http://www.ieee802.org/1/files/public/docs2013/AC-Muyshondt-InterfacingMOSTEthernetChannel-0513-v01.pdf>
<http://www.ieee802.org/1/files/public/docs2013/ca-farkas-LFA-SPBM-unicast-0513-v01.pdf>
<http://www.ieee802.org/1/files/public/docs2013/ca-farkas-editors-notes-0513-v01.pdf>
<http://www.ieee802.org/1/files/public/docs2013/ca-farkas-path-status-notification-0513-v01.pdf>

16 May

<http://www.ieee802.org/1/files/public/docs2013/axrev-nbragg-time-shared-IPL-issues-0513-v01.ppt>
<http://www.ieee802.org/1/files/public/docs2013/axrev-saltsidis-project-status-0513-v01.ppt>
<http://www.ieee802.org/1/files/public/docs2013/bu-boiger-IET-and-TAS-0513.pdf>
<http://www.ieee802.org/1/files/public/docs2013/bv-kiessling-Some-sources-of-Latency-and-Jitter-0513-v01.pdf>
<http://www.ieee802.org/1/files/public/docs2013/new-ghanwani-app-vlan-par-5c-0513-v02.pdf>
<http://www.ieee802.org/1/files/public/docs2013/new-tsn-boiger-new-shaper-0513.pdf>

17 May

<http://www.ieee802.org/1/files/public/docs2013/maint-parsons-session-0513-v1.pdf>
<http://www.ieee802.org/1/files/public/docs2013/new-avb-wsteiner-8021CB-lessons-learned-from-avionics-0513-v01.pdf>
<http://www.ieee802.org/1/files/public/docs2013/new-tsn-weber-structuring-0513.pdf>
<http://www.ieee802.org/1/files/public/docs2013/qrev-haddock-provider-mmpr-0513-v03.pdf>

20 May

<http://www.ieee802.org/1/files/public/docs2013/new-p802-1qcc-draft-5c-0513-v1.pdf>
<http://www.ieee802.org/1/files/public/docs2013/new-p802-1qcc-draft-par-0513-v1.pdf>

23 May

<http://www.ieee802.org/1/files/public/docs2013/new-p802-1qcd-draft-5c-0513-v01.pdf>

<http://www.ieee802.org/1/files/public/docs2013/new-p802-1qcd-draft-par-0513-v01.pdf>

<http://www.ieee802.org/1/files/public/docs2013/new-tsn-cgunther-SRP-enhancements-PAR-5C-0513-v05.pdf>