

IEEE 802.1 Interim Meeting  
 January 2012, York, UK  
**802.1 Meeting Minutes, - May 2012**

**Attendees**

<b><i>Last Name</i></b>	<b><i>First Name</i></b>	<b><i>Middle Name</i></b>	<b><i>Affiliation</i></b>
Andersson	Ola		Conemtech
Bahr	Michael		Siemens AG Deggendorf University of Applied Sciences, Hirschmann
Boiger	Christian		Automation and Control
Booth	Brad		Dell
Bragg	Nigel		Ciena Corporation
Chang	Xin		Huawei Technologies Co. Ltd
Cummings	Rodney		National Instruments Corporation
Edge	Bob		*
Farkas	Janos		Ericsson
Finn	Norman		Cisco Systems, Inc.
Fox	David		*
Fredette	Andre		Extreme Networks broadcom corporation, marvell semiconductor, siemens ag, hirschmann
Garner	Geoffrey		Siemens AG
Goetz	Franz		Huawei Technologies Co. Ltd
Gu	Hwers		Harman International
Gunther	Craig		Stephen Haddock Consulting, LLC
Haddock	Stephen		*
Jakovljevic	Mirko		
Jeffree	Anthony		HP, Broadcom
Jochim	Markus		General Motors Company
Johas			
Teener	Michael		Broadcom Corporation
Klein	Philippe		Broadcom Corporation
Li	Yizhou		Huawei Technologies Co. Ltd
Lynch	Jeff		IBM
Mack-Crane	Thomas		Huawei Technologies Co. Ltd
Messenger	John		Adva Optical Networks
Mihalache	Razvan		Robert Bosch GmbH
Moldovansky	Anatoly		Rockwell Automation
Muyshondt	Henry		MOST Cooperation
Olsen	David		Harman International Industries, Incorporated
Pannell	Donald		Marvell Semiconductor, Inc.
Parsons	Glenn		Ericsson AB
Roese	Josef		Deutsche Telekom AG
Rouyer	Jessy		Alcatel-Lucent
Saltsidis	Panagiotis		Ericsson AB
Sathe	Satish		AMCC
Seaman	Mick		Self
Steiner	Wilfried		TTTech Computertechnik AG

Thaler	Patricia	Broadcom Corporation
Tretter	Albert	Siemens AG
Unbehagen	Paul	Avaya Inc.
Weber	Karl	Zhaw

\* Some attendee information does not include affiliation as a result of network issues on site.

# Task Group Minutes

## Interworking minutes

### Tuesday, 15 May

Meeting called to order at 9:00am.

Stephen Haddock presented the preliminary agenda for the week.

Tony Jeffree presented patent policy slides. No response to the call for patents.

**802.1Q-Corrigendum-2:** Tony Jeffree conducted comment resolution on the Working Group ballot recirculation for 802.1Q-Cor-2-d1.0. Based on the comment resolution there are only three minor editorial changes to the draft. Plan is to conduct an email Working Group vote and an email EC vote to proceed to Sponsor Ballot with the editorial changes in a cover letter.

- <http://www.ieee802.org/1/files/private/q-cor-2-drafts/d1/802-1Q-Cor-2-D1-0-dis.pdf>

**802.1AX-Rev DRNI:** Norm Finn walked through draft 0.2 of 802-1AX-REV Link Aggregation with Distributed Resilient Network Interconnect. This was a fairly major rewrite from the previous draft. A task group ballot on this draft will be initiated following the meetings.

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

**802.1Qbp ECMP:** Ben Mack-Crane conducted comment resolution on the task group ballot for 802.1Qbp-d0.3 SPBM Equal Cost Multi-Path. Ben also reviewed presentations from the ECMP conference calls regarding CFM to provide background for ballot comments in this area.

- <http://www.ieee802.org/1/files/public/docs2012/bp-mackcrane-ECMP-CFM-0412.ppt>
- <http://ieee802.org/1/files/private/bp-drafts/d0/802-1bp-d0-3-pdis.pdf>

Break at 12:35pm.

Resume at 2:00pm.

**802.1Qbp ECMP:** Ben Mack-Crane continued comment resolution on the first task group ballot for 802.1Qbp-d0.3 SPBM Equal Cost Multi-Path.

Adjourn at 6:10pm.

### Wednesday, 16 May

No Interworking Task Group session in the morning and early afternoon so participants could attend AVB.

Interworking Task Group meeting called to order at 4:00pm.

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

**802.1Qbp ECMP:** Ben Mack-Crane continued comment resolution on the task group ballot for 802.1Qbp-d0.3 SPBM Equal Cost Multi-Path, and gave a presentation on a proposal to simplify migrating an SPBM network to an SPBM-ECMP network.

- <http://www.ieee802.org/1/files/public/docs2012/bp-mackcrane-existing-bridges-0512.pdf>

Adjourn at 6:15pm.

## **Thursday, 17 May**

Interworking Task Group meeting called to order at 4:00pm.

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

**802.1Qbp ECMP:** Ben Mack-Crane continued comment resolution on the task group ballot for 802.1Qbp-d0.3 SPBM Equal Cost Multi-Path. Panos gave a presentation to explain some of his ballot comments:

- <http://ieee802.org/1/files/public/docs2012/bp-saltsidis-Bridge-Components-0512.pdf>

Break at 12:45pm.

Resume at 2:30pm.

**802.1AC MAC Service Definition:** John Messenger conducted comment resolution on the Sponsor ballot of 802.1AC-d2.0 MAC Service Definition.

- <http://ieee802.org/1/files/private/ac-drafts/d2/802-1ac-d2-0-dis-v1.pdf>

Adjourn at 6:45pm.

## **Friday, 18 May**

Meeting called to order at 9:00am.

John Messenger 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-d0.3 SPBM Equal Cost Multi-Path.

**Liaisons:** Glenn Parsons led a discussion on the liaison response from IETF intending to avoid duplicate work in IETF and 802.1 proposing a meeting on July 25<sup>th</sup> to negotiate a working arrangement to coordinate such efforts.

Glenn Parsons led a discussion to draft a response to the ITU-T liaison regarding a G.8031 extension on Multipoint Ethernet Connection Protection:

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

Break at 12:50pm.

Resume at 2:30pm.

**New Work:** Paul Unbehagen led a discussion regarding potential extensions to SPB.

Meeting adjourned.

## **AVB Minutes**

In the following meeting notes, these abbreviations are used:

- MJT – Michael JohasTeener
- Adva – Adva Optical Networking
- GG – Geoff Garner
- FG – Franz-Josef Geotz
- DP – Don Pannell
- RC – Rodney Cummings
- CB – Christian Boiger
- MB – Michael Bahr, J. Gotz
- NF – Norm Finn
- PK – Philipe Klein
- AF – Andre Fredette

### **Tuesday, 15 May - AM**

Patent Slides (MJT)

Call for essential patents (MJT)

Guidelines for IEEE WG Meetings (MJT)

Welcome to York (Adva)

Agenda Overview (MJT)

Attendance tutorial (MJT)

802.1AS Corrigendum Discussion (GG)

- <http://www.ieee802.org/1/files/private/as-cor-1-drafts/d1/802-1AS-cor-1-d1-2.pdf>

Dual Time Scale in Factory & Energy Automation - IEEE 802.1ASbt Industrial Requirements (FG)

- <http://www.ieee802.org/1/files/public/docs2012/as-goetz-ind-req-5014-v1.pdf>

What Makes Talkers and Listeners AVB Compliant? (DP)

- <http://www.ieee802.org/1/files/public/docs2012/new-pannell-AVB-1722-for-8021-1205-v1.pdf>

### **Tuesday, 15 May - PM**

802.1Qbv Scheduled Traffic: Window Options (RC)

- <http://www.ieee802.org/1/files/public/docs2012/Qbv-cummings-window-options-0512-v1.pdf>

## Wednesday, 16 May - AM

Scheduled traffic – One Window Is Not Enough (CB)

- <http://www.ieee802.org/1/files/public/docs2012/bv-boiger-transmission-windows-0512-v01.pdf>

Multi-path Forwarding of Control Data Frames (MB)

- <http://www.ieee802.org/1/files/public/docs2012/new-avb-bahr-multipath-routing-concept-0512-v00.pdf>

## Wednesday, 16 May - PM

Deterministic Ethernet: Taking AVB to the next step (NF)

- <http://www.ieee802.org/1/files/public/docs2012/new-nfinn-AVB-next-step-0412-v01.pdf>

Multipath PAR draft (PK)

- <http://www.ieee802.org/1/files/public/docs2012/avb-draft-PAR-5C-MP-V1-2.pdf>

802.11 BSS Bridging (PK)

- <http://www.ieee802.org/1/files/public/docs2012/avb-phkl-80211-bss-bridging-0512-v1.pdf>

## Thursday, 17 May - AM

More on Shortest Path Bridging V-mode (NF)

- <http://www.ieee802.org/1/files/public/docs2012/new-AVB-nfinn-more-spb-v-0412-v01.ppt>

White Rabbit and AVB Gen 2: Requirements and Evaluation (RC)

- <http://www.ieee802.org/1/files/public/docs2012/new-avb-cummings-white-rabbit-0512-v1.pdf>

Stream Reservation V2 Features (AF)

- <http://www.ieee802.org/1/files/public/docs2012/new-avb-fredette-sr-v2-capabilities.docx>

## Thursday, 17 May – PM

Wired-Wireless Bridging, Proposal for PAR and 5 Criteria (NF)

- <http://www.ieee802.org/1/files/public/docs2012/new-nfinn-wired-wireless-par5c-05-12-v01.pdf>

Assumptions (DP)

- Assumptions notes coming, will be posted after clean up. See <http://www.ieee802.org/1/files/public/docs2012/avb-pannell-gen2-assumptions-0512-v10.pdf>

## Friday, 18 May – AM

Worst Case Latency Open Discussion (NF)

- No Presentation

Future of Pre-emption Open Discussion(MJT)

- No Presentation