

**(Approved 13 January 2015)**  
**IEEE P802.3bn EPoC PHY Task Force**  
**November 04-06, 2014**  
**San Antonio, Texas, United**  
**Chair: Mark Laubach**  
**Recording Secretary: Duane Remein**

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## Summary:

The P802.3bn EPoC PHY Task Force met for two days during the IEEE 802/802.3 Plenary meeting in, San Antonio, Texas, USA. A comment resolution session was held for Task Force Draft D1.1. A total of 4 presentations were reviewed and 4 technical motions were passed. A summary of decisions can be viewed at [decisions](#). The creation Draft D1.2 was authorized. The [Work Items](#) spreadsheet document was updated during an informal session on Thursday morning, 06 November 2014.

## Minutes

**4 Nov 2014, Tuesday**

**9:00 AM** – The Chair called the meeting to order, Introductions were made.

### Motion #1

Move to:

Motion to approve minutes from 10-11 September 2014, Kanata, Canada meeting:  
[unconfirmed minutes 3bn\\_01\\_0914.pdf](#)

Moved: Micheal Peters                      Second: Duane Remein

Procedural (> 50%)    Motion Passed by Voice without opposition

The Chair gave their opening report and presented the IEEE Patent Policy.

**9:10 AM** - The Chair made a call for potentially essential patents, there was no response.

The Chair completed the opening report, reviewed the Task Force work item list and timeline. The group reviewed an incoming liaison letter received from ITU-T SG9 regarding adoption of HiNOC 1.0 as an ITU standard. The group briefly reviewed the timeline and work item list.

### Motion #2

Move to: approve the [Agenda](#)

Moved: Duane Remein                      Second: Leo Montreuil

Procedural (> 50%)    Motion Passed by Voice without opposition

The Chair reviewed calls since the last face to face meeting. The Chief Editor presented their opening report.

**Motion #3**

Move to consider all comments in [P8023bn\\_draft1d1\\_Comments\\_Proposed\\_Responses\\_141028.pdf](#) regardless of submission date.

Moved: Duane Remein                      Second: Rich Prodan

Technical ( $\geq 75\%$ )      Motion Passed by Voice without opposition

The Editors review the intended process (following WG rules, no accepted comments on unchanged text for D1.3) for next few rounds of balloting.

**Comment Resolution**

**9:45 AM** - Started comment resolution, Duane Remein presiding.

**12:15 PM** - Recessed for lunch

**1:30 PM** – Reconvened and resumed comment resolution

Given the rate at which comments were being resolved the Editors distributed a file with remaining open T, TR and ER comments and requested participants to review these and bring to the meeting a list of comments with responses that are not considered acceptable by them and an accompanying suitable resolutions.

**5:45 PM** – Recessed for the day

**5 Nov 2014, Wednesday**

**8:00 AM** – Reconvened and resumed comment resolution

11:35 AM – concluded comment resolution. All comments with a Proposed Resolution that was in question were reviewed.

**Motion #4**

Move to:

Approve proposed responses to all open comments in [remein\\_3bn\\_03\\_1114.pdf](#).

Moved: Marek Hajduczenia                      Second: Duane Remein

For: 16      Against: 0      Abstain: 0

Technical ( $\geq 75\%$ )      Motion Passed

**11:45 PM** - Recessed for lunch

**1:40 PM** – Reconvened, Mark Laubach resumed as Chair

## Detailed presentation material:

### [Update on the Downstream Control Multiplexer and Idle Deletion](#)

Jin Zhang, Beiyu Rong

Marvell

This presentation built on a presentation given in the previous meeting and described changes in CL 103 and 101 to accommodate DS IDLE insertion and Idle Deletion at the CLT

**2:10 PM** – Duane Remein assumed chair while Mark presented.

### [Upstream codeword filling draft text](#) Rich Prodan, Mark Laubach

Broadcom

This presentation provided [draft text \(prodan\\_3bn\\_02a\\_1114.pdf\)](#) describing the FEC codeword filling algorithm using the three FEC codes used in the US direction.

### [Simplification of EPoC Upstream FEC](#) Jin Zhang, Xiaolin Che

Marvell

This presentation suggested simplifying the US FEC by allowing a single FEC option.

### [Upstream Electrical Draft Text](#)

Tom Kolze, Rich Prodan, Avi Kliger, Leo Montreuil, Mark Laubach

Broadcom

This presentation provided [draft text \(kolze\\_3bn\\_02a\\_1114.pdf\)](#) and tables for Clause 100 to describe the upstream electrical requirements of the PMD.

**4:54 PM** – Mark Laubach resumed chair

## Liaison

The Task force reviewed the response to the incoming ITU SG9 liaison: [ITU-T SG9: on Consent of draft new Recommendations ITU-T J.195.2 and J.195.3.](#)

## Discussion and Motions

### **Straw Poll #1**

EPoC upstream shall require the Medium FEC code for CNU and multiple FEC codes (L-M-S) as an option. CLT is required to support both modes.

Yes: 3      No: 7      Abstain: 6

**Motion #5**

Move to:

Incorporate [zhang 3bn 02 1114.pdf](#), pages 2, 5, and 7 into the draft.

Moved: Jin Zhang Second: Duane Remein

For: 11 Against: 5 Abstain: 0

Technical ( $\geq 75\%$ ) Motion Failed**Motion #6**

Move to:

Adopt [prodan 3bn 02a 1114.pdf](#) into the P802.3bn draft.

Moved: Rich Prodan Second: Avi Kliger

For: 15 Against: 1 Abstain: 1

Technical ( $\geq 75\%$ ) Motion Passed**Motion #7**

Move to:

Adopt [kolze 3bn 02a 1114.pdf](#) into the P802.3bn draft.

Moved: Tom Kolze Second: Leo Montreuil

For: 17 Against: 0 Abstain: 0

Technical ( $\geq 75\%$ ) Motion Passed**Motion #8**

Move to:

Authorize the Editors to create Draft 1.2 from Draft 1.1 by incorporating approved baseline and comment resolution material from the November 2014 meeting as recorded in [Draft 1.1 Comments Approved Responses](#).

Moved: Duane Remein Second: Saifur Rahman

For: 16 Against: 0 Abstain: 0

Technical ( $\geq 75\%$ ) Motion Passed

**Motion #9**

Move to:

Chair to submit IEEE\_802d3\_to\_ITU-T\_SG9\_1114\_draft liaison draft response to 802.3 working group at closing plenary.

Moved: Victor Hou

Second: Eugene Dai

Technical (>= 75%) Motion Passed by Voice without opposition

## Closing

Reviewed the Future Meetings, Chair took the traditional meeting attendance polls.

**Motion #10**

Move to Adjourn

Moved: Tom Kolze

Second: BZ Shen

Procedural (>50%) Motion Passed by Voice without opposition

**6:05 PM** - The meeting was adjourned.

**6 Nov 2014, Thursday**

**10:00 AM** – The Chair called the informal meeting to order. The purpose of this informal session is to update the [Work Items list](#) spreadsheet to reflect the draft changes based on the application of the approved comments.

Attendance was taken and is indicated in the meeting attendance records.

**11:00 AM** – the work items update information session was closed.

## Meeting Attendance

The following represents the attendance for the formal portion of this plenary meeting as initialed in the attendance binder that was passed around the meeting each day. 21 distinct individuals indicated their attendance for this meeting. If an attendee indicated an affiliation different from their Employer for this meeting, it is noted. Task Force business was concluded on Wednesday.

Note: any attendance marked for Thursday, was for a 10AM to 11AM informal meeting.

<u>Lastname</u>	<u>Firstname</u>	<u>Employer</u>	<u>Affiliation (If Different)</u>	<u>Tue</u>	<u>Wed</u>	<u>Thu</u>
Dai	Eugene	Cox		X	X	
Darling	Mike	Shaw Cable		X	X	
ElBakoury	Hesham	Huawei		X	X	X
Hajduczenia	Marek	Bright House Networks		X	X	X
Hou	Victor	Broadcom		X	X	X
Kliger	Avi	Broadcom		X	X	X
Kolze	Tom	Broadcom		X		
Kramer	Glen	Broadcom		X	X	
Laubach	Mark	Broadcom		X	X	X
Lin	Rujian	Shanghai Luster Teraband Photonics		X	X	X
Liquan	Yuan	ZTE Corp		X	X	
Montreuil	Leo	Broadcom		X	X	X
Noll	Kevin	Time Warner Cable		X	X	X
Peters	Michael	Sumitomo		X	X	
Powell	Bill	Alcatel-Lucent		X	X	
Prodan	Rich	Broadcom		X	X	
Rahman	Saifur	Comcast		X	X	X
Remein	Duane	Huawei		X	X	X
Shellhammer	Steve	Qualcomm		X		
Shen	BZ	Broadcom		X	X	
Zhang	Jin	Marvell Semiconductor		X	X	