

**(Unconfirmed)**  
**IEEE P802.3bn EPoC PHY Task Force**  
**March 10-11, 2015**  
**Berlin, Germany**  
**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 Berlin, Germany. A comment resolution session was held for Task Force Draft D1.3. A total of 4 presentations were reviewed and 7 technical motions were passed. A summary of decisions can be viewed at [decisions](#). The creation Draft D1.4 was authorized. The [Work Items](#) spreadsheet document was updated.

Revision notes: Updates since rev 01 are highlighted in **yellow**. Rev 01a added missing hyperlinks.

## Minutes

### 10 Mar 2015

**1:00 PM** – The Chair called the meeting to order, Introductions were made.

#### **Motion #1**

Motion to approve minutes from 13-15 January 2015, Atlanta, Georgia meeting:  
[unconfirmed minutes 3bn 01 0115.pdf](#)

Moved: Duane Remein Second: Steve Shellhammer

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

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

**1:10 PM** - The Chair made a call for potentially essential patents, there was no response.

The Chair completed the opening report including Editors report.

#### **Motion #2**

Move to approve the Agenda.

Moved: Duane Remein Second: Leo Montreuil

For:                      Against:                      Abstain:

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

## Detailed presentation material:

**1:30 PM** - Steve Shellhammer assumed Chair while Mark presented.

[PCS Transmit Update](#) **Draft Text:** [laubach 3bn 03 0315.pdf \(P\)](#)

Mark Laubach

Broadcom

This presentation was a review of draft text proposed for updating the PCS Transmit function, harmonizing CTL and CNU data detector functions.

[Upstream PMA Staging, Pilot Insertion, and Frame Timing](#) **Draft Text:** [laubach\\_3bn\\_07\\_0315.pdf](#)

Mark Laubach

Broadcom

This presentation was a review of proposed draft text for adding the staging function and upstream frame timing function.

[Upstream FEC overhead](#)

Mark Laubach

Broadcom

This presentation proposed a default for the CNU FEC overhead calculation. With discussion, Duane Remein and Mark Laubach will work on updating the CNU functions to accommodate the finalization of the upstream codeword filling algorithm.

[Downstream Electrical Update](#) **Draft Text:** [laubach\\_3bn\\_05a\\_0315.pdf](#)

Tom Kolze, Mark Laubach, Leo Montreuil, Victor Hou, Rich Prodan

Broadcom

This presentation reviewed the proposed updates to the downstream electrical requirements in 100.2.8. In addition a new test clause was added in 100.3.3, and additions for symbol clocking and timing and synchronization for Clause 101.

## Comment Resolution

**5:10 PM** – Duane assumed the chair during Comment Resolution.

**5:55 PM** – Recessed for the day.

### 11 March 2015

**9:05 AM** – Reconvened

Continued with Comment Resolution.

**12:05 PM** – recessed for lunch

**1:07 PM** – Reconvened

Continued with Comment Resolution.

**1:55 PM** – Suspended comment resolution, some comments were not finally resolved as they were dependent on accepting presentations and motions. Mark Laubach resumed as Chair.

## Motions

### Motion #3

Move to: adopt [laubach\\_3bn\\_03\\_0315.pdf](#) changes to Draft 1.3 for PCS Transmit.

Moved: Rich Prodan      Second: Avi Kliger

For:    7      Against:    0      Abstain:    0

Technical (>= 75%)      Motion Passed

**Motion #4**

Move to: Adopt [laubach 3bn 07 0315.pdf](#) as an update to Draft 1.3 for Upstream PMA Staging, Pilot Insertion, and Frame Timing. The Editors have license to adjust section numbers and variable lists to comply with IEEE Style Guide and 802.3 practices. On Page 76, Line 11, change "T2" to "T1" (subcarrier type).

Moved: Avi Kilger      Second: Tom Kolze

For:    8      Against:      0      Abstain:      0

Technical (>= 75%)    Motion Passed

**Motion #5**

Move to: Adopt [laubach 3bn 05a 0315.pdf](#) draft text changes for Downstream Electrical

Moved: Frank Effenberger      Second: Tom Kolze

For:    8      Against:      0      Abstain:      0

Technical (>= 75%)    Motion Passed

**Motion #6**

Move to: Authorize the Editors to create Draft 1.4 from Draft 1.3 by incorporating approved baseline and comment resolution material from March 2015 meeting as recorded in [Draft 1.3 Comments](#) [Approved Responses](#).

Moved: Duane Remein    Second: Frank Effenberger

For:    8      Against:      0      Abstain:      0

Technical (>= 75%)    Motion Passed

**Motion #7**

Move to: Remove the sentence "Exclusion bands are limited to TBD % or less of encompassed spectrum (see Table 101-13)" on Page 183 Line 4.

Moved: Avi Kilger      Second: Duane Remein

For:    8      Against:      0      Abstain:      0

Technical (>= 75%)    Motion Passed

**Motion #8**

Move to: Change Table 100-11 upstream Frequency band from "5 to 234" to "5 to at least 204". Editor to change elsewhere in the draft text from "234" to "204".

Moved: Rich Prodan      Second: Avi Kilger

For:    8      Against:      0      Abstain:      0

Technical (>= 75%)    Motion Passed

**2:15 PM** Continuation of Comment review, Duane resumed as Chair.

**2:20 PM** Concluded comment review, Mark resumed as Chair. The TF reviewed all TBDs in the draft. Fourteen (14) TBDs re identified for remedy before the next meeting in May:

1. Page 83, Line 44
2. Page 97, Line 13.
3. Page 105, Line 24.
4. Page 121 Line 30.
5. Page 121, Line 33.
6. Page 122, Line 17
7. Page 138, Line 34 \_Section 101.3.2.5.12 should go away.
8. Page 150, Line 11.
9. Page 245 Line 45
10. Page 275, Line 42 and 44
11. Page 279, Line 29 through 39
12. Page 293 line 35. May move to variable from constant.
13. Page 294, line 4
14. Page 327, Line 19,22, 25

## Closing

Reviewed and updated the Work Items list.

Reviewed the Task Force Timeline. The Task Force adopted moving the Working Group ballot date from March 2015 (missed) to July 2015.

### Motion #9

Move to: Adopt Task Force Timeline update as shown in [tf timeline updated 150311.pdf](#).

Moved: Duane Remein Second:Hesham ElBakoury

For: 8 Against: 0 Abstain: 0

Procedural (> 50%) Motion Passed

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

### Motion #10

Move to adjourn.

Moved: Duane Remein Second:Rich Prodan

For: Against: Abstain:

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

**4:52 PM** - The meeting was adjourned.

## 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. 15 distinct individuals indicated their attendance for this meeting. If an attendee indicated an affiliation different from their Employer for this meeting, it is noted.

<u>Lastname</u>	<u>Firstname</u>	<u>Employer</u>	<u>Affiliation (If Different)</u>	<u>Tue</u>	<u>Wed</u>	<u>Thu</u>
Effenberger	Frank	Huawei		X	X	
ElBakoury	Hesham	Huawei		X	X	
Kliger	Avi	Broadcom		X	X	
Knittle	Curtis	CableLabs		X		
Kolze	Tom	Broadcom		X	X	
Laubach	Mark	Broadcom		X	X	
Lin	Rujian	Shanghai Luster Teraband Photonics		X	X	
Liu	Qian	RITT, CATR		X	X	
Montreuil	Leo	Broadcom		X		
Noll	Kevin	Time Warner Cable		X		
Powell	Bill	Alcatel-Lucent		X	X	
Prodan	Rich	Broadcom		X	X	
Remein	Duane	Huawei		X	X	
Shellhammer	Steve	Qualcomm		X		
Shen	BZ	Broadcom		X		