

# Meeting Minutes

*Group: IEEE P802.3cp 10/25/50G BiDi Task Force meeting*

*Location: Vienna, Austria*

*Date: July 15th, 2019*

## Opening

1:50 AM The meeting was called to order by Frank Effenberger, the Task Force chair. Duane Remein was volunteered to be the Recording Secretary (using his “new” ultra-low power computing device).

2:00 PM The chair made a call for patents, no response was made.

Note: all URLs prefaced with <http://www.ieee802.org/3/cp/public/1907/> unless otherwise noted.

### **Motion #1**

Move to approve the agenda as recorded in 0719\_BiDi\_Task\_Force\_agenda.pdf

Moved: Vince Ferretti Second: Claudio Desanti

Procedural (>50%) Passed by voice without opposition

### **Motion #2**

Move to approve the minutes of the May meeting as recorded in

[http://www.ieee802.org/3/cp/public/1905/minutes\\_unapproved\\_NGBiDi\\_TF\\_052019\\_Salt\\_Lake.pdf](http://www.ieee802.org/3/cp/public/1905/minutes_unapproved_NGBiDi_TF_052019_Salt_Lake.pdf)

Moved: Duane Remein Second: Dekun Liu

Procedural (>50%) Passed by voice without opposition

The Chair gave his opening report including decorum, goals, big ticket items, reflector, web site, process, etc.

2:00 PM The chair made a call for patents; no response was made.

The Chair reviewed the IEEE Participation guidelines.

It was suggested that a liaison be sent from the Task Force to ITU-T SG15 Q2 out of the next meeting (to include the draft).

## Presentations

### **Fiber Splice Loss Budgets**

DuaneRemein Futurewei

This presentation summarized two means of estimating loss due to Fiber splices; one using statistics assuming 1 splice per km and another using fewer splices. It was noted that there are other fiber loss estimate figures which purportedly include splice loss.

**Max DGD penalty**

VinceFerretti Corning

This presentation summarized contributions to P802.3cu which suggest a 0.25, 0.5, and 0.9 dB DGD loss parameter for 10, 25 and 40 km links, respectively. However it was noted that loss for a PAM4 modulation scheme may be less. It was suggested to adopt these loss figures for P802.3cs.

**Baseline Proposal for 25G BR30**

Han Hyub Lee ETRI

This presentation suggested to use the same optical loss figures for 25GBASE-BR20 as were used for 25GBASE-ER. In addition, we should include an RS FEC and change the PMD BER to  $1 \times 10^{-3}$ .

**Considerations of 25G BR40**

Han Hyub Lee ETRI

This presentation suggested 3 options for the BR40 PMD: 1) DML + OA + weak FEC, 2) DMP + OA + APT + strong FEC, and 3) EML + APD + weak FEC (with  $1 \times 10^{-3}$  BER).

## Comment Resolution draft 0.2

Due to limitations of the Editors "new" ultra-low power computing device comments were not recorded in the comment database directly. See embedded excel spreadsheet for comment resolution results.



P802.3cs comments  
draft0.2.xlsx

## Motions and Closing

**Motion #3**

Accept all comments resolutions as recorded in the Vienna meeting (includes all in topic "EZ Bucket") and instruct the Editor to generate Draft 1.0 from Draft 0.2 based on the approved comments.

Moved: Duane Remein      Second: Claudio DeSanti

For: 6      Against: 0      Abstain: 0

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

The Chair recorded the normal future meeting polls.

The Chair proposed a teleconference be held prior to the next meeting.

**Motion #4**

Move to adjourn.

Moved: Tony Shuai      Second: Vince Ferretti

Procedural ( $>50\%$ )      Passed by voice without opposition

5:57 PM the meeting was adjourned.

## Attendees

<b>Name</b>	<b>Employer</b>	<b>Affiliation</b>
Frank Effenberger	Futurewei Technologies, Inc.	Futurewei Technologies, Inc.
Duane Remein	Futurewei Technologies, Inc.	Futurewei Technologies, Inc.
Claudio DeSanti	Google	Google
Han Hyub Lee	ETRI	ETRI
Earl Parsons	Comscope	Comscope
Shawn He	Huawei	Huawei
Steve Kang	Velon Connect	Velon Connect
Dekun Liu	Huawei	Huawei
Vincent Farretti	Corning	Corning
Tony Shuai	Huawei	Huawei