

Meeting Minutes

Group: IEEE P802.3cs Physical Layers for increased-reach Ethernet optical subscriber access
(Super-PON) Task Force

Event: Plenary meeting

Date: November 12, 2019

Location: Waikoloa Village, HI – USA

Opening

9:02 AM: The meeting was called to order by Claudio DeSanti, the Task Force chair. Claudio appointed Vince Ferretti as Task Force Recording Secretary.

Note: all URLs prefaced with <http://www.ieee802.org/3/cs/public/201911/> unless otherwise noted.

Motion #1

Move to approve the agenda as recorded in 20191112-Agenda.pdf

Moved: Pavel Zivny

Second: Vince Ferretti

Procedural (>50%)

Passed by voice without opposition

Motion #2

Move to approve the minutes of the past meetings

- September 10, 2019

http://www.ieee802.org/3/cs/public/201909/20190910-Minutes_P802d3cs_Indianapolis.pdf

- October 10, 2019

<http://www.ieee802.org/3/cs/public/AdHoc/20191010-Minutes.pdf>

Moved: Pavel Zivny

Second: Frank Effenberger

Procedural (>50%)

Passed by voice without opposition

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

9:08 AM: The chair made a call for patents; no response was made.

The Chair reviewed the IEEE Participation revised guidelines.

Presentations

All presentations are in the following format:

Presentation #

Title	Presenter	affiliation
Comments		
Filename:	FileRef	

Presentation # 1

Considerations for Link Loss - 2	Vince Ferretti	Corning
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This presentation followed up on previous presentation on the characteristics of modern optical fiber based on a recent study. The update added data on 1490nm and 1625nm wavelengths to the previously presented 1550nm wavelength. The Task Force requested that the author provide confidence levels and perform more analysis at shorter lengths with less segments. The conclusion is that use of statistical modeling is very appropriate for the Super-PON application. It was agreed that this should be documented in an annex to the draft.

Filename: 20191112-Ferretti_3cs_01

Presentation # 2

Super-PON Link Budget Analysis Revised Fiber loss	Liang Du	Google
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This presentation showed proposed revised values for Link Loss and resulting Transmitted Power and Extinction Ratios for 2.5G and 10G links in the P802.3cs draft. It was agreed to add 2.5G values to the draft.

Filename: 20191112-Du_3cs_01

10:15 AM Break, reconvened at 10:45

Presentation # 3

Super-PON PCS Options	Claudio DeSanti	Google
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This presentation compared Implementation effort, FEC, Framing, Encoding/bandwidth and Identifiers between 10G-EPON PCS and 25G-EPON PCS. Pros and Cons were discussed. More discussion and presentations are planned for future meetings to move toward resolution.

Filename: 20191112-DeSanti_3cs_01

Comment Resolution

No comments were submitted during this period.

Motions and Closing

Motion #3

Move to instruct the editor to generate P802.3cs draft 0.4, using draft 0.3 as baseline and updating table 200-7 to have:

- Maximum mean channel output power @ 2.5G: 6
- Minimum mean channel output power @ 2.5G: 1
- Minimum channel extinction ratio @ 2.5G: 6

Moved: Liang Du Second: Marek Hajduczenia

For: 9 Against: 0 Abstain: 1

Technical (≥75%) Motion Passed

Motion #4

Move that the IEEE 802.3 Working Group approve IEEE_802d3_to_Q2SG15_1119_draft.pdf with editorial license granted to the Chair (or his appointed agent) as liaison communication from the IEEE 802.3 Working Group to ITU-T Q2/SG15

Moved: Frank Effenberger Second: Vince Ferretti

For: 10 Against: 0 Abstain: 0

Technical (≥75%) Motion Passed

The Chair proposed a teleconference for December 12, 2019 @ 10:30am PDT.

The Chair recorded the normal future meeting polls.

Motion #5

Move to adjourn.

Moved: Marek Hajduczenia Second: Hanhyub Lee

Procedural (>50%) Passed by voice without opposition

12:10 PM: The meeting was adjourned.

Attendees

Name	Employer	Affiliation
Bill Powell	Nokia	Nokia
Claudio DeSanti	Google	Google
Limin Geng	Huawei	Huawei
Pavel Zivny	Tektronix	Tektronix
Frank Effenberger	Futurewei	Futurewei
Joseph Coffey	Commscope	Commscope
Glen Kramer	Broadcom	Broadcom
Liang Du	Google	Google
Marek Hajduczenia	Charter	Charter
Mark Laubach	Broadcom	Broadcom
Vince Ferretti	Corning	Corning
Yuanqiu Luo	Futurewei	Futurewei
Hanhyub Lee	ETRI	ETRI