

Meeting Minutes

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

Event: Interim meeting

Date: 21 May, 2019

Location: Salt Lake UT, USA

Opening

5/21/2018 9:02 AM The meeting was called to order by Claudio DeSanti, the Task Force chair. Duane Remein volunteered to serve as recording secretary.

Unless noted otherwise all files referenced in these minutes are located at the following URL:
<http://www.ieee802.org/3/cs/public/201905/>.

The chair held introductions, proposed an agenda and began his opening report (see 20190512-Agenda.pdf).

Motion # 1

Move to approve the agenda as shown in 20190512-Agenda.pdf.

Moved: Duane Remein

Second: Phong Pham

Procedural (>50%)

Motion Passed by Voice without opposition

Motion # 2

Move to approve the minutes of the past meeting

March 12, 2019

http://www.ieee802.org/3/cs/public/201903/20190312-Minutes_P802d3cs_Vancouver.pdf

May 2nd, 2019

<http://www.ieee802.org/3/cs/public/AdHoc/20190502.html>

Moved: Duane Remein

Second: Kevin Noll

Procedural (>50%)

Motion Passed by Voice without opposition

The Chair continued the opening report covering meeting decorum, meeting goals, big ticket items, email reflector, Task Force Web site, meeting ground rules, IEEE structure, IEEE bylaws, IEEE rules, IEEE meeting guidelines, IEEE Participation guidelines, and IEEE 802.3 process.

9:11 AM – The Chair made a call for patents, there was no response made.

Presentations

9:16 AM the TF began hearing and discussing presentations.

All presentations are in the following format:

Presentation #

Title Presenter affiliation

Comments

Filename:FileRef

Presentation # 1

CD compensation in Super-PON Networks with DCF-based, broadband modules Robert Lingle
OFS Optics

This presentation described a dispersion compensation devices based on dispersion compensating fiber with negative CD.

Filename: 20190521-Fiber_Based_DSCMa.pdf

9:45 AM break, reconvened 10:16 AM

Presentation # 2

Super-PON Link Budget Analysis Xiangjun Zhao Google

This presentation provided updated details on the optical power budget. There were comments that the assumed “worst case” loss figures used in this presentation maybe overly optimistic. The presentation included some details on the Mux/Amp (part of “black link”). It was noted that different wavelength pairs may have different power splitting ratios and thus the power input at the US pre-amp may be very large. The presentation assumed all power splitters had the same characteristics and did not look at US differential input power at amp.

Filename: 20190521-Super-PON_Link_Budget.pdf

Presentation # 3

Super-PON PMD Proposal Claudio DeSanti Google

This presentation proposed introductory text for Super-PON draft including a top level description, PMD Specification Method, PMD Naming, Channel Plan, Supported Combinations of OLT and ONU PMDs, PMD to MDI Optical Specifications for OLT PMDs, PMD to MDI Optical Specifications for ONU PMDs, Black Link Specification (normative) and an informative Annex describing the black link.

Filename: 20190521-Super-PON_PMD_Proposal.pdf

Motions & Straw Polls

Motion # 3

Move to accept 20190521-Super-PON_PMD_Proposal_v1.pdf as initial Super-PON baseline specification to allow the editor to create draft 0.1

Moved: Marek Hajduczenia Second: Duane Remein

For: 10 Against: 0 Abstain: 1

Technical (≥ 75%) Motion Passed by Voice without opposition

Closing

The Chair opened discussion on a possible ad hoc call in the June time frame (assuming material was available). There was no objections to this proposal.

Future meeting polls were taken.

Location (start date)	Planned attendance		
	Will	Will Not	May
Vienna Austria (7/15/19)	11	2	0
Indianapolis, IN (9/9/19)	10	0	3
Waikoloa Village, HI (11/14/19)	9	0	3

Motion # 4

Move to adjourn.

Moved: Duane Remein

Second: Glen Kramer

Procedural (>50%)

Motion Passed by Voice without opposition

12:40 PM The meeting was adjourned.

Attendance

Full Name	Employeer	Affiliation(s)	21-May
Frank Chang	Source Photonics	Source Photonics	x
Claudio DeSanti	Google	Google	x
Frank Effenberger	Futurewei Technologies, Inc.	Futurewei Technologies, Inc.	x
Vincent Ferretti	Corning	Corning	x
Marek Hajduczenia	Charter	Charter	x
Glen Kramer	Broadcom Inc..	Broadcom Inc..	x
Hanhyub Lee	ETRI	ETRI	x
Robert Lingle	OFS	OFS	x
Kevin Noll	Tibit Communication	Tibit Communication	x
Moonsoo Park	OE Solutions America	OE Solutions America	x
Earl Parsons	CommScope	CommScope	x
Phong Pham	US Conel	US Conel	x
Bill Powell	Nokia	Nokia	x
Duane Remein	Futurewei Technologies, Inc.	Futurewei Technologies, Inc.	x
Xiangjun Zhao	Google	Google	x
Richard (Yujia) Zhou	Charter	Charter	x

