

New Ethernet Applications Ad Hoc Teleconference  
“Next-Gen MMF PMDs”  
Friday April 28, 2017 11:30am EST  
Hosted by Robert Lingle, Jr.  
Robert maintained notes.

Slide set posted on:

[http://www.ieee802.org/3/ad\\_hoc/ngrates/public/calls/17\\_0428/index.html](http://www.ieee802.org/3/ad_hoc/ngrates/public/calls/17_0428/index.html)

21 attendees participated in the 4/28/17 call Meeting began 11:34am EST – If you participated in the meeting but are not listed, please email me with a correction.

Name	Affiliation	4/28 NEA Ad Hoc Call
Brett Lane	Panduit	X
Bulent Kose	Panduit	X
Dale Murray	LightCounting	X
Frank Chang	InPhi	X
Jeff Maki	Juniper	X
John Johnson	Broadcom	X
John Petrilla	Foxconn	X
Jonathan Ingham	Foxconn	X
Jonathan King	Finisar	X
Ken Jackson	Sumitomo Electric	X
Mabud Choudhury	OFS	X
Mike Dudek	Qlogic/Cavium	X
Paul Kolesar	CommScope	X
Paul Vanderlaan	Nexans	X
Piers Dawe	Mellanox	X
Qing Xu	Belden	X
Rakesh Sambaraju	Nexans	X
Rick Pimpinella	Panduit	X
Robert Lingle	OFS	X
Sunny Xu	CommScope	X
Vipul Bhatt	Finisar	X

Robert Lingle reviewed lingle\_nea\_01\_170428.pdf.

**Guidelines for IEEE-SA Meetings**  
**Participation in IEEE 802 Meetings**  
Agenda

Someone raised the question whether the July plenary will include the necessary experts most suitable for judging the interest & need for a MMF Study Group. Robert took an action item to discuss with various experts whether a MMF CFI is better presented at the July or November plenary.

**Discussion of lingle\_nea\_01\_170428a.pdf**, regarding how to address several audience questions raised at the NEA Ad Hoc meeting in Vancouver

Group approved the changes to CFI deck embodied in slide 3.

Slide 4 will not be used.

One of the Contrary to what is shown on slide 5, the consensus of the group was to focus on making the point that the traditional relative cost benefits of MMF transport vs. SMF transport will not be negated by moving to PAM4 signaling and WDM.

- Items highlighted were the continuing benefits of more lax alignment tolerances when muxing and demuxing onto MMF vs. SMF.
- The circuits for PAM4 add cost to both fiber types.
- The tighter requirements on RIN impact both VCSEL and single-mode laser types.
- Packaging of 100G PAM4 per optical lane components for SMF modules is less well-industrialized than for 50G PAM4 with VSELs
- Jonathan King, Vipul Bhatt, Jonathan Ingham, John Petrilla, and David Lewis were tasked with helping provide strong bullet points on these topics.

**Meeting adjourned 1pm**