

IEEE P802.3cd Ad Hoc meeting – June 27, 2018

Prepared by Kent Lusted

Proposed Agenda:

- Approve agenda
- Approve 20 June 2018 ad hoc minutes
- Patent reminder
 - <http://www.ieee802.org/3/patent.html>
- Participant reminder
- P802.3cd TF
 - TF update – Mark Nowell (5 mins)
 - “Inter-operability risk for 50BASE-CR with Draft 3.3 ERL specifications” – Mike Dudek (15mins)
 - “SRS test source measurement bandwidth” – Jonathan King (15 mins)
 - “Is an additional TDECQ related limit needed?” – Pete Anslow (15 mins)
 - “Optical Link Test Results and Refinement” – Phil Sun (15 mins)
 - “TDECQ specs for SMF PMDs” – Kohichi Tamura (15 mins)
 - “Restoring the optical power levels for the 50GBASE-SR family” – Piers Dawe (15 mins)
 - “Completing the family of TDECQ-related specifications” – Piers Dawe (15 mins)

Presentations posted at: <http://www.ieee802.org/3/cd/public/adhoc/archive/index.html>

Meeting began at ~8:10 a.m. Pacific by Kent Lusted.

Meeting began with the agenda presentation:

http://www.ieee802.org/3/cd/public/adhoc/archive/agenda_062718_3cd_adhoc.pdf

The ad hoc chair reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes. He reminded participants to mute lines when not speaking and reviewed the steps to unmute.

Showed the links to the IEEE P802.3cd Task Force ad hoc page and the email reflector.

Presented the proposed agenda and asked if there was objection as written. The agenda was approved by the ad hoc.

Asked if there were comments regarding the posted minutes of the last ad hoc meeting. No one responded. The minutes were approved by the ad hoc.

Reminded participants of the IEEE patent policy. He asked if anyone was unfamiliar with the IEEE patent policy. No one responded.

Reminded participants of the IEEE Participation Requirements and showed the slide with the Participation requirements. He asked if anyone was unfamiliar with the IEEE Participation Requirements. No one responded.

Agenda Items

P802.3cd Task Force update, Mark Nowell

- Draft 3.3 recirculation ballot closed on Wednesday 20th June 2018.
- TF will meet at the July Plenary in San Diego, CA, USA on Monday and Tuesday; week of July 8, 2018. Focus is comment resolution against D3.3.
- Presentations request due Friday, 29 June. Presentations due Tuesday, 3 July.
- Hot topics to resolve in the plenary include ERL and TDECQ/SRS.

Presentation #1:

“Inter-operability risk for 50BASE-CR with Draft 3.3 ERL specifications” – Mike Dudek

See: http://www.ieee802.org/3/cd/public/adhoc/archive/dudek_062718_3cd_adhoc.pdf

- Discussed the preference of the two proposed solutions.

Presentation #2:

“SRS test source measurement bandwidth” – Jonathan King

See: http://www.ieee802.org/3/cd/public/adhoc/archive/king_062718_3cd_adhoc.pdf

- On slide 7, the blue line is the phase shift at 24 GHz.

Presentation #3:

“Is an additional TDECQ related limit needed?” – Pete Anslow

See: http://www.ieee802.org/3/cd/public/adhoc/archive/anslow_062718_3cd_adhoc.pdf

- Analysis used the GoldenEye waveforms provided by Marco Mazzini.
- The transmitter noise is limited by the RIN limit.

Presentation #4:

“Optical Link Test Results and Refinement” – Phil Sun

See: http://www.ieee802.org/3/cd/public/adhoc/archive/sun_062718_3cd_adhoc.pdf

- Discussed the chirp assumptions on slide 5.

Presentation #5:

“TDECQ specs for SMF PMDs” – Kohichi Tamura

See: http://www.ieee802.org/3/cd/public/adhoc/archive/tamura_062718_3cd_adhoc.pdf

- Clarifying questions were asked and answered.

Mark Nowell encouraged participants to use the email reflector to discuss all these topics and build consensus prior to the start of the plenary meeting.

Presentation #6:

“Completing the family of TDECQ-related specifications” – Piers Dawe

See: http://www.ieee802.org/3/cd/public/adhoc/archive/dawe_062718_02_3cd_adhoc.pdf

- Updated “v2” with editorial changes and clarifications.
- Clarifying questions were asked and answered.

Presentation #7:

“Restoring the optical power levels for the 50GBASE-SR family” – Piers Dawe

See: http://www.ieee802.org/3/cd/public/adhoc/archive/dawe_062718_01_3cd_adhoc.pdf

- Clarifying questions were asked and answered.

*** A free drink to the first person to let the Task Force Chair know they've read this ***

The ad hoc meeting ended at ~10:10 a.m. Pacific.

List of attendees (captured from Webex tool)

Name	Company
Abhijeet Ardey (Source Photonics)	sourcephotonics
Adam Healey	broadcom.com
Adee Ran	intel.com
Adrian Butter	globalfoundries
Alexander Rysin	mellanox.com
Ali Ghiasi	n/a
Anand A (Mxl)	maxlinear.com
Anand Ramaswamy (Juniper)	juniper.net
Andy Zambell	n/a
arturo pachon (TE)	te.com
Bart Zeydel	macom.com
Bill Kirkland	semtech.com
Brandon	samtec.com
Chad Erven	semtech.com
Chien-Ping Kao	intel.com
Dave Lewis (Lumentum)	lumentum.com
David Law	HPE
David Malicoat	Senko
David Piehler [Dell EMC]	dell.com
dean	cavium.com
Derek Cassidy	bt.com
Drew Guckenberger	luxtera.com
Ed Ulrichs	sourcephotonics
Fernando De Bernardinis (eSilicon)	esilicon.com
Flavio Marques	furukawaelectri
Frank	n/a
Frank Lambrecht (Gigamon Inc.)	gigamon
Gary Nicholl	cisco.com
Gianpiero Bognanni	sourcephotonics
Greg LeCheminant	keysight.com
Hai-Feng Liu	intel.com
Hideki Isono	jp.fujitsu.com
Howard Heck	intel.com
Jeff Chen	sourcephotonics
Jeff Slavick	broadcom.com
Jeff Twombly	credosemi.com
Jeffery Maki	juniper.net

Jeremy Bregman	sourcephotronics
Joey Zhou	sourcephotronics
John Ewen	globalfoundries
John Johnson	broadcom.com
John Nelson	arista.com
jonathan	finisar.com
Karen (Kaiam)	kaiam.com
Kenneth Jackson (Sumitomo)	sei-device.com
Kent Lusted	intel.com
Kohichi	oclaro.com
Kumaran Krishnasamy	broadcom.com
Mark Heimbuch	sourcephotronics
Mark Nowell	cisco.com
martin white	cavium.com
Matt Brown	macom.com
Mike Dudek	cavium.com
Nathan Tracy (TE)	te.com
Paul Kolesar	commscope.com
Paul Neveux (Superior Essex)	spsx.com
Pavel	tektronix.com
Peter Anslow	ciena.com
peter stassar	huawei.com
Phil Sun	credosemi.com
Piers	mellanox.com
Pirooz Toyserkani	cisco.com
Raymond Nering	cisco.com
Rick Rabinovich	keysight.com
Rita Horner	synopsys.com
Rob Guzzon	juniper.net
Ryan Lott (Spectra7)	spectra7.com
Salvatore Rotolo	st.com
Scott	intel.com
Scott Sommers	molex.com
Sheng Zhang	sourcephotronics
Stephen Didde	keysight.com
Steve Sekel (Keysight)	keysight.com
Steve Trowbridge (Nokia)	nokia.com
Tao	cavium.com
Ted Sprague	infinera.com

Thang Pham	finisar.com
Tom Palkert	molex
Toshiaki Sakai (Socionext)	socionext.com
Vipul Bhatt (Finisar)	finisar.com
Vittal Balasubramanian	innovium.com
Xinyuan Wang(Huawei)	huawei.com