IEEE 100G Lambda Study Group Ad Hoc meeting – December 13, 2018

Prepared by Mark Nowell

Proposed Agenda:

- Approve agenda
- Patent reminder
    - http://www.ieee802.org/3/patent.html
- Participant reminder
- 100G Lambda Study Group:
    - "Study Group Progress & Objectives Discussion" – Mark Nowell (25 mins)
    - "PHY Objectives and Technical Feasibility" – Brian Welch and Hai-Feng Liu (20 min)
    - "Broad Market Potential: 100 Gb/s Per Lane Optical PHYs for 2 km and 10 km for 100 GbE and 400 GbE" - Justin Abbott (15 mins)

Presentations posted at:
http://www.ieee802.org/3/100G_OPTX/public/adhoc/archive/index.html

Meeting began at ~8:00 a.m. Pacific

Meeting began with the agenda presentation:
http://www.ieee802.org/3/100G_OPTX/public/adhoc/archive/agenda_121318_OPTX_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 100G Lambda Study Group 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.

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. Chair asked if anyone was unfamiliar with the IEEE Participation Requirements.   No one responded.

Agenda Items

100G Lambda Study Group update, Mark Nowell
- Provided at end of meeting but included here for simplicity
- Next ad hoc meeting is Dec 20th, 8am PT
- Final ad hoc on Jan 9th, 8am PT
- First face to face meeting is at January Interim in Long Beach Week on Jan 14th
- Meeting announcement and call for papers has been sent to reflector
- Deadlines: presentation request Fri Jan 4th, presentation submission Tues Jan 8th.
- Meeting is all day Wed Jan 16th.

Presentation #1:
"Study Group kickoff and Foundational Objectives"– Mark Nowell
See:
http://www.ieee802.org/3/100G_OPTX/public/adhoc/archive/nowell_121318_01_OPTX_adhoc.pdf
- Reviewed the necessary work of the Study Group. Adopt, Objectives, then CSD responses, then Project Authorization Request
- Reviewed charter of this ad hoc
- Reviewed some proposed Foundational Objectives
- Noted no EEE Objective, OTN support objective. Not considered necessary but contributions welcome to propose if people felt the need
- Question on whether we need to adopt an objective to state the TF will reuse existing specs (such as PCS, FEC). Comments made that there would be a lot of natural pushback in the TF to any suggestions other than re-use so an objective not really needed. Chair noted that if someone wants to make a contribution that would be welcome

Presentation #2:
"PHY Objectives and Technical Feasibility "– Brian Welch
See:
http://www.ieee802.org/3/100G_OPTX/public/adhoc/archive/welch_121318_01_OPTX_adhoc.pdf
- Proposed PHY objectives
- Suggestion to include wording to indicate duplex fiber support only or number of wavelengths
- Reviewed Proposed Technical Feasibility response language
- Feedback that no need to justify ability to do the rates, focus more on the existence of solutions already that this project leveraging when defining specs.

Presentation #2:
"Broad Market Potential & Economic Feasibility: IEEE 802.3 100 Gb/s per lane Study Group "– presented by David Lewis
See:
http://www.ieee802.org/3/100G_OPTX/public/adhoc/archive/abbott_121318_01a_OPTX_adhoc.pdf
- Showed market analysis supporting the study scope and objectives
- Reviewed Proposed Broad Market Potential and Economic Feasibility response language

- Feedback and suggestions received. Updated version posted as "_01a"

The ad hoc meeting ended at ~9 a.m. Pacific.

List of attendees (captured from Webex tool)

Name	Company
Mark Nowell	cisco
Brian Welch	luxtera
caoli	accelink
Dave Lewis	lumentum
Thomas Palkert	macom
Yoshiaki Sone	nel-america
Salvatore Rotolo	st
Shimon Mueller	axalume
Rita Horner	synopsys
zhiyong wang	accelink
Zhenwei Cui	hisilicon
Ken Jackson	Sumitomo
Peter Stassar	huawei
Inho Kim	marvell
David Law	hpe
John DeAndrea	ieee
Mike Dudek	cavium
Matt Brown	macom
John DeAndrea	finisar
Tony	huawei
Phil Sun	credosemi
Tony	huawei
Dale Murray	lightcounting
Hai-Feng Liu	intel
Pete Anslow	ciena
Tony	huawei
Simon	accelink
Will	accelink
David Malicoat	gmail

Tony	huawei
Gary Nicholl	cisco
Piers Dawe	mellanox
David Malicoat	Independent