

50G/100G/200G Study Groups Joint Ad Hoc meeting – April 27, 2016

Prepared by Kent Lusted

Proposed Agenda:

- Approval of the Agenda
- IEEE patent policy reminder:
 - 50GNGOATH:
<https://development.standards.ieee.org/myproject/Public/mytools/mob/preparslides.pdf>
- Approval of draft minutes for April 13, 2016
- 50GNGOATH Study Groups Ad Hoc
 - Study Group Update, Mark Nowell
 - “PCS Baseline proposal for 50GbE and NG 100GbE”, Gary Nicholl
 - “PCS and AUI consideration for 50 GbE and NG 100 GbE”, Ali Ghiasi

Presentations posted at: <http://www.ieee802.org/3/by/public/adhoc/architecture/index.html> or
<http://www.ieee802.org/3/50G/public/adhoc/archive/index.html>

Meeting began at 8:05 a.m. Pacific by Kent Lusted.

Meeting began with the agenda presentation:

http://www.ieee802.org/3/50G/public/adhoc/archive/agenda_042716_50GE_NGOATH_adhoc.pdf

Kent Lusted reviewed the Attendance information related to the ad hoc. He reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes. He reminded participants to mute their lines when not speaking and reviewed the steps to unmute.

Kent Lusted showed the links to the 50G and NGOATH ad hoc page and the email reflector.

Kent Lusted presented the proposed agenda and asked if there was objection as written. No one responded. The agenda was approved by the ad hoc.

Kent reminded participants of the IEEE patent policy.

Ad hoc minutes

The April 13 meeting minutes for joint ad hoc are posted on the website. Request made if there was any opposition to approving the minutes. No one responded. Minutes approved.

50G/100G/200G Study Groups Agenda Items

Note: The links to the two Study Group ad hoc websites are:

<http://www.ieee802.org/3/50G/index.html> 50Gb/s Ethernet Study Group

<http://www.ieee802.org/3/NGOATH/index.html> Next Generation 100 Gb/s & 200Gb/s Ethernet Study Group

50G/NGOATH Update, Mark Nowell:

- Registration for the May interim is still open.
- We will be meeting Monday morning to Wednesday Lunch in Whistler
- Presentation requests due 13 May. Presentation submittals are due 17 May.
- Remain as Study Group until just before the May interim.
- Task Force meeting in May will be the first chance to make decisions and adopt baseline proposals
- Contributions are needed for baseline proposals.

50G & NGOATH SG Presentation #1:

“PCS Baseline proposal for 50GbE and NG 100GbE”, Gary Nicholl

See: http://www.ieee802.org/3/50G/public/adhoc/archive/nicholl_042716_50GE_NGOATH_adhoc.pdf

- Reviewed the 50G multi-lane PCS use cases.
- Discussed the several implications of using the multi-lane PCS from 40G.
- Reviewed and discussed the 100G use cases. Discussed potential issues with burst errors. Discussed impact of latency.
- Discussed the use of the 40G alignment markers, but remapped.

50G & NGOATH SG Presentation #2:

“PCS and AUI consideration for 50 GbE and NG 100 GbE”, Ali Ghiasi

See: http://www.ieee802.org/3/50G/public/adhoc/archive/ghiasi_042716_50GE_NGOATH_adhoc.pdf

- Author to send updated presentation with clarification on Option IIB.
- Request to denote which AUI is PAM4 and NRZ.
- There was a request to change the “LAUI” nomenclature to “50GAUI” based on the strawpoll results from Macau.

The next ad hoc call is scheduled for 11 May 2016.

The ad hoc meeting ended at 9:11 a.m. Pacific.

List of attendees (captured from Webex tool)

Name	company
Adam Healey	broadcom
Alexey Frolov	aquantia
Ali Ghiasi	n/a
Andre Szczepanek	inphi
Arturo Pachon	te
Bharat Tailor	semtech
brad smith	mellanox
Brian Welch	luxtera
Chris Roth (Molex)	molex
dan dillow (fci)	fci
Dave Lewis	lumentum
David Malicoat	hpe
David Ofelt	juniper.net
Derek Cassidy	n/a
Dimitris G	apm
Eric Baden (Broadcom)	broadcom
Farzin	n/a
Fernando De Bernardinis (Marvell)	marvell
Gary Nicholl	cisco
Ghani Abbas	ericsson
Jack Dawson	netronome
Jacky Chang	hpe
Jason Ellison	n/a
Jeff slavick	broadcom
Jing Fang	marvell
John Castina	netronome
John Dillard	microsemi
John Nelson	arista
Keisuke Kojima	merl
Kenneth Jackson	sei-device
kent lusted (intel)	intel
Marco	cisco
Mark Gravel	hp
Mark Gustlin	xilinx
Mark Kimber (Semtech)	semtech
Mark Nowell	cisco
martin white	caviumnetworks
Matt Brown (APM)	apm

Mike Dudek	qlogic
Nathan Tracy	te
Paul Mooney	spirent
Peter Anslow	ciena
Peter Stassar	huawei
Phil Sun	credosemi
phong pham	usconec
Piers	mellanox
Qing Xu	belden
raj hegde	broadcom
Ray	cisco
Rich Mellitz	intel
Rick Pimpinella	panduit
Rick Rabinovich	ixiacom
Rita Horner	synopsys
Rob Stone	broadcom
Ron Muir (JAE)	jae
salvatore rotolo	st
sam sambasivan	labs.att
scott sommers	molex
Steve Sekel (Keysight)	keysight
Steve Swanson	corning
Steve Trowbridge	nokia
Ted Sprague	infinera
Tim Webster	cisco
Tom McDermott	us.fujitsu
Tom Palkert	visi
Tongtong Wang	huawei
Upen Kareti	cisco
Venu B (Marvell)	marvell
Vipul Bhatt	inphi
Vittal Balasubramanian	dell
Wheling Cheng	ericsson
will bliss	broadcom
Yaniv Sabag	intel
Yasuo Hidaka	us.fujitsu
yizhaoping	h3c
Yuri Vandyshev	cisco
Zhenyu Liu	credosemi
Zvi Rechtman	mellanox

Thananya Baldwin	Ixia
Gerry Pepper	Ixia