Minutes P802.3by 25 Gb/s Ethernet Task Force ad-hoc meeting – February 18, 2015

Prepared by Kent Lusted

Proposed Agenda:

- Approval of the Agenda
- IEEE patent policy reminder (see http://www.ieee802.org/3/patent.html)
- Approval of draft minutes for February 11 2015
- 25GE Task Force Update – Mark Nowell
- P802.by D0.1 editorial update – Matt Brown
- "Clause 45 issues", Pete Anslow
- "AutoNeg for 25G", Jeff Slavick

Presentations posted at: http://www.ieee802.org/3/by/public/adhoc/architecture/index.html

Meeting began at 8:03 a.m. Pacific.

Meeting began with the agenda presentation:
http://www.ieee802.org/3/by/public/adhoc/architecture/agenda_021815_25GE_adhoc-v2.pdf

Matt Brown showed the links to the ad hoc page and the email reflector.

Matt Brown reviewed the Attendance information related to the ad hoc. He reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes.

Matt presented the proposed agenda. Minor correction to the next ad hoc date – Feb 25th. No one objected to the updated agenda. The agenda was approved by the ad hoc.

Matt reminded participants of the IEEE patent policy. (see http://www.ieee802.org/3/patent.html) No one responded.

The February 11 meeting minutes were posted after the meeting. No comments were received. Matt Brown asked if there were objections to approving the minutes as posted. No one responded. The February 11 meeting minutes were approved by the ad hoc.

25GE Task Force update – Mark Nowell
- Draft 0.1 is out for review.
- At March meeting, the Task Force will start at 8:00 a.m. on Monday morning. Please plan travel accordingly. Focus of meeting will be on proposals to address gaps in draft to progress towards technically complete and comment resolution to enable draft 1.0.
- Requests for presentations due on Friday, Feb 27. Presentations are due on March 3, 2015.
- John D'Ambrosia noted that P802.3bs will start at 1:00 p.m. on Tuesday and will overlap with the P802.3by project that day.

P802.by D0.1 editorial update – Matt Brown

- Reviewed tentative editorial schedule. Draft 0.1 is posted to the private area. Please note that the comment deadline is February 23, 2015 at 3:00 p.m. EST.
- Comments received expected to be posted on February 24, 2015. Proposed responses are expected to be posted on March 5, 2015.
- Will use the ad hocs to address big ticket items found during the Draft 0.1 review.

Presentation #1:

"Clause 45 issues", Pete Anslow

See http://www.ieee802.org/3/by/public/adhoc/architecture/anslow_021815_25GE_adhoc.pdf

- There are a number of clashes in proposed allocations in Clause 45 registers.
- Reviewed Register 1.7 assignment proposal. Need another bit for all of the proposed entries.
- Reviewed Register 1.17 proposal
- Reviewed Register 3.7 proposal. There will likely be a 25GBASE-T PCS type and need to assess the impact.
- Reviewed Register 3.8 proposal. Reviewed Register 3.20 proposal.

Presentation #2:

"AutoNeg for 25G", Jeff Slavick

See http://www.ieee802.org/3/by/public/adhoc/architecture/slavick_021815_25GE_adhoc.pdf

- Reviewed the current draft state of FEC and RS-FEC association by PHY type.
- Reviewed the various options in the proposal.
- Discussed Cl 74 implementation as mandatory or optional. Comment on tying CR-S and CR-L to an application space. Much discussion.
- Reviewed summary of options. Option B represents the proposal discussed last week.
- Matt Brown noted that Draft 0.1 has a placeholder for AN. No AN baseline proposal was adopted in January. {TF Chair clarification: we did adopt an AN baseline but we did not adopt a FEC resolution mechanism. See http://www.ieee802.org/3/by/public/Jan15/minutes_3by_0115a_unapproved.pdf see Straw Poll#3 and Motion #14}
- Discussed mapping the various options to the project objectives, the path to a no-FEC link, latency vs. BER margin, and engineered links vs. standards-based links.
- Mark Nowell noted that PHY designation is the big ticket item to address. The 2 AN proposals address ways to communicate and resolve the PHY designations.

Next ad hoc meeting is February 25, 2015.

The Ad hoc meeting ended at 9:30 a.m. Pacific. Some participants remained on the call for additional consensus building discussions.

List of attendees (captured from Webex tool)

Name	company
Adee Ran	intel
Ali Ghiasi	gmail
Andre Szczepanek	inphi
anil mehta	brocade
Arthur Marris (Cadence)	cadence
Brad Booth	microsoft
Chris Roth (Molex)	molex
Dan Cunningham (Arista)	arista
Dan Dove	Emulex
David Malicoat	hp
David Ofelt	juniper
Derek Cassidy	bt
Don Cober (CoMira)	comira-inc
Duane Remein	huawei
Eric Baden (Broadcom)	broadcom
Flavio Marques	furukawa.co
Gary Nicholl	cisco
george zimmerman	Aquantia & Commscope
Ghani Abbas	ericsson
Howard Frazier	broadcom
Ingvar Froroth	marvell
Jay Diepenbrock	loromamerica
Jeff Slavick	avagotech
John D'Ambrosia	ieee
Kapil Shrikhande	dell
Ken Van Orman	spirent
Kent Lusted (Intel)	intel
Lokesh Kabra	synopsys
Mark Gravel	hp
Mark Jones	xtera
Mark Nowell	cisco
Mark Pilip	ezchip
martin white	caviumnetworks
Matt Brown	apm

Megha Shanbhag	te
Mike Andrewartha	microsoft
Mike Dudek	qlogic
Nathan Tracy	te
Oded Wertheim	mellanox
Peter Anslow	ciena
Phil Sun	marvell
Piers Dawe	mellanox
Pirooz Tooyserkani	cisco
rakesh sambaraju	nexans
Randy k Rannow	ieee
Rich Mellitz (Intel)	intel
Rick Rabinovich	alcatel-lucent
Rita Horner	synopsys
Rob Stone (Broadcom)	broadcom
Scott Kipp	brocade
Scott Sommers	molex
Thomas Brown	vitesse
Tom Palkert	Molex
Upendranadh Kareti	cisco
Venu Balasubramonian	marvell
Vittal Balasubramanian	dell
Yasuo Hidaka	us.fujitsu
Yuri Vandyshev	cisco