Minutes P802.3by 25 Gb/s Ethernet Task Force ad-hoc meeting – April 8, 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 March 4 2015
- P802.3by Task Force Update (tentative), Mark Nowell
- P802.3by D0.1 editorial update (tentative), Matt Brown
- "Draft Informal Communication to SFF" – Dan Dove
- "Working towards support of 3m no FEC cables" – Rich Mellitz

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_040815_25GE_adhoc.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. No one responded. 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. Matt pointed out that updates to the patent policy were announced on the 802.3 Dialog reflector and 802.3by Task Force reflector and a reminder was included in the ad hoc agenda email. The summary from the original announcement is provided here:

Updates to the IEEE-SA Patent Policy (Clause 6 of the IEEE-SA Standards Board Bylaws) became effective on 15th March 2015. Available from http://standards.ieee.org/about/sasb/patcom/materials.html , the following have been updated:

a) *Patent Slides for Standards Development Meetings*
b) *Patent Letter of Assurance (LOA) Form*
c) *Patent Letter of Assurance (LOA) Cover Letter*
d) *FAQs: Understanding Patent Issues during IEEE Standards Development*
e) *Relationship of IEEE-SA Patent Policy/LoAs to Modification of IEEE Standards by Other Standards Bodies*

The March 4 meeting minutes were posted shortly after the meeting. No comments were received. Matt Brown asked if there were objections to approving the minutes as posted. No one responded. The March 4 meeting minutes were approved by the ad hoc.

25GE Task Force update – Mark Nowell
- Task Force will meet in May at the interim meeting. This Task Force will meet at the end of the week.
- Meeting will start on Wednesday afternoon and run through Friday afternoon. Plan travel accordingly.

P802.by D0.1 editorial update – Matt Brown
- Reviewed the tentative schedule for Draft 1.0. (see http://www.ieee802.org/3/by/public/adhoc/architecture/agenda_040815_25GE_adhoc.pdf slide 6)
- Anticipate a 3 week review cycle.
- Plan to use architecture ad hoc meetings to pre-review comments.
- Reviewed items requiring work and consensus. The intent is to address these items in the ad hoc meetings prior to the May interim meeting.
- Discussed no-FEC mode channel analysis details.
- Discussed MTTFPA no-FEC analysis and the need for contributions to show the calculations.

Presentation #1:
"Draft Informal Communication to SFF", Dan Dove
See http://www.ieee802.org/3/by/public/adhoc/architecture/dove_040815_25GE_adhoc_v3.pdf
- Reviewed proposed text for the informal communication.
- The communication is specific in the requested change to the register map but offered as a suggestion to the SFF committee.
- SFF-8472 is for the SFP style connector. SFF-8024 is for the QSFP style connector.
- Please review and send feedback to Dan.

Presentation #2:
"Working towards support of 3m no FEC cables", Rich Mellitz
See http://www.ieee802.org/3/by/public/adhoc/architecture/mellitz_040815_25GE_adhoc.pdf
- Reviewed the assumptions
- There was a request to post the S4p file used in slide 4. Rich to work with Mark to post the file for Task Force use.
- Discussed the first results of a 3m cable to COM with no-FEC.
- Request for data on the QSFP-SFP case.
- Two potential solutions: Change COM limit to a different number for no FEC case or change TX COM parameters. Discussed the pros and cons of implementing each solution.
- Received questions on the assumptions that set the COM pass limit to 2.4 dB.
- Analysis is based on data from 2 cable assemblies. More cable data is requested.

- Received request for a breakdown of the analysis to show the effects of A_fe and no A_ne
- Mark Nowell encouraged participation in the analysis from the Task Force.

Next ad hoc meeting will be April 15.

The Ad hoc meeting ended at 9:31 a.m. Pacific.

List of attendees (captured from Webex tool)

Name	company
Adam Healey	avagotech
Ali Ghiasi	Independent
Arthur Marris (Cadence)	cadence
Beth Kochuparambil	cisco
Carlo Tosetti (Cisco)	cisco
Chris Roth (Molex)	molex
Dale Murray	lightcounting
Dan Cunningham	arista
Dan Dove	dovenetworking
Daniel Koehler	morethanip
Dave Vieira	broadcom
David Chalupsky (Intel)	intel
David Malicoat	hp
David Vieira	broadcom
Derek Cassidy	bt
Dino Pozzebon	pmcs
Duane Remein	huawei
Erdem Matoglu	amphenol-tcs
Eric Baden (Broadcom)	broadcom
Gary Nicholl	cisco
Gianpiero	cisco
Greg D Le Cheminant	keysight
hfrazier	broadcom
Ingvar Froroth	marvell
Jacky Chang	hp
Jeff H	ranovus
Jeffery Maki	juniper
Jing Fang	marvell
John Nelson(Arista)	arista
jonathan king	finisar
Juan-Carlos Calderon	inphi

Kapil Shrikhande	dell
Ken Van Orman	spirent
Kenneth Jackson	sei-device
Kent Lusted (Intel)	intel
Lokesh Kabra	synopsys
Madhavi	barefootnetworks
Mark Gustlin	xilinx
Mark Jones	xtera
Mark Nowell	cisco
martin	altera
martin white	caviumnetworks
Matt Brown	apm
Megha Shanbhag	te
Mike Andrewartha	microsoft
Mike Dudek	qlogic
Oded Wertheim	mellanox
Omer Sella	mellanox
Paul Kolesar	commscope
Peter Anslow	ciena
Philip Sun	marvell
Piers	mellanox
Pirooz Tooyserkani	cisco
Randy k Rannow	Not Available
Remy Chang	barefootnetworks
Rich Mellitz (Intel)	intel
Rick Rabinovich	alcatel-lucent
rob stone	broadcom
Ron Muir (JAE)	jae
Scott Kipp	brocade
Susan Bueti	us.ibm
Thomas Brown	vitesse
ureddy	cisco
Venu B	marvell
Vittal Balasubramanian	dell
Yasuo Hidaka	us.fujitsu
Yong Kim (Broadcom)	broadcom