Approved minutes P802.3bs 400 Gb/s Ethernet Electrical Ad Hoc Teleconference 14 December 2015

Minutes taken by Andre Szczepanek, Inphi

The meeting started at 8:05 am Pacific chaired by Andre Szczepanek, the attendee list was taken from the Webex attendee list, plus any e-mail notifications of attendance.

Documentation for the call can be found at the Ad Hoc web page:
http://www.ieee802.org/3/bs/public/adhoc/elect/index.shtml

Andre reminded everyone of the updated IEEE patent policy (http://www.ieee802.org/3/patent.html) and asked if anyone was unfamiliar with it. No one responded.

Andre asked if anyone had any objection or additions to the draft agenda. No one responded, so these agenda was approved by the Ad Hoc.

Andre asked if anyone had any corrections to the draft minutes from the 7th December 2015 call. No one responded, so these minutes are approved by the Ad Hoc.

Presentation #1
Title: Electrical Interface Ad Hoc Opening/Agenda
Presenter: Andre Szczepanek, Inphi
http://www.ieee802.org/3/bs/public/adhoc/elect/14Dec_15/szczepanek_01_121415_elect.pdf

Andre presented his CRU bandwidth Observations slides. A number of attendees made the comment that they needed to see data on jitter bandwidth for real sources to determine Tx CRU bandwidth rather than basing it on Rx capabilities.

Ali showed slides 4 & 5 from ghiasi_3bs_01b_0915.pdf, showing a Phase Noise Plot for a low cost oscillator, and the effects of Thermal, charge pump, VCO jitter against bandwidth. There was a question about why Charge Pump related jitter was shown as increasing with frequency.

Andre went through slides showing open items for the Ad Hoc. He indicated that Inphi would make a presentation on adding low frequency equalization to the reference CTLE at the next Ad-Hoc meeting, and would endeavour to get it posted to the Ad Hoc website early for the benefit of those attendees who would not be able to make the next meeting.

The meeting closed at 8:50 am Pacific.

Attendee list (taken from Webex attendee list)

Andre Szczepanek	inphi
Paul Mooney	spirent
will bliss	broadcom
David Malicoat	hpe
Randy k Rannow	APIC
Mike Dudek	qlogic
Tony Zortea	multi-phy
Piers Dawe	mellanox
Tom Palkert	visi
Ali Ghiasi	Independent
Pavel Zivny	pavel.zivny@ieee.org
Raj Hegde	broadcom
Adee Ran	intel
Ed Frlan	semtech
Peter Anslow	ciena
Yasuo Hidaka	fujitsu
Jeffery Maki	juniper
Ken Ly	ccly@cisco.com
John Ewen	globalfoundries
Jeffery Maki	juniper
Adam Healey	avagotech
Adrian Butter	globalfoundries
John Dillard	microsemi
Flavio Marques	furukawa
Ray Nering	cisco
Galen Fromm	galen@cray.com
Rich Mellitz	intel
martin white	caviumnetworks
Magesh Valliappan	broadcom
Megha Shanbhag	tyco electronics
Phil Sun	marvell
Rick Rabinovich	ixia
Upen Reddy	cisco
Wheling Cheng	ericsson