IEEE 802.3cg 10SPE TF AdHoc meeting
April 24 2019

Prepared by Peter Jones

Presentations posted at:

http://www.ieee802.org/3/cg/public/adhoc/index.html

Agenda/Admin Peter Jones:

Meeting began at 7:03am PT.

1. Reviewed the Attendance information related to the ad hoc(s).
   a. Reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes.
2. Reviewed agenda and asked for approval of PREVIOUS minutes?
   a. Approved without objection.
3. Displayed post-par slide deck, reviewed patent policy, participation conditions.
   https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt (10SPE)
   https://mentor.ieee.org/802-ec/dcn/17/ec-17-0093-05-0PNP-ieee-802-participation-slide-ppt.ppt
4. Made potentially essential patents call for 802.3cg – 10SPE
   No-one responded.

Presentations/Discussion.

PLCA improvement for high node count

Wojciech Koczwara Rockwell Automation

- Question about causes of late collision?
  - Assertion – late collision implies a broken network. Why do we need to address this?
  - Questions deferred to end of presentation
- Concerns raised about use of the term “buffer”
  - Standard calls this a “variable delay line” (aka a small FIFO).
  - Using correct terms reduces concerns.
- Similar techniques used for some coding schemes (e.g. 64/66)
- Is this like PHY delay constraints?
- Shared media in general has variable access delays.
- Question about impact of this proposal on TSN?
  - Comment from attendee with TSN interest says “no concern with proposed change”.
- Some lack of clarity about how this proposal “looks”.
  - What is the increase in variability?
  - Size of delay line?

- AdHoc chair:
    - requests that presenters work offline with individuals on the call who expressed concerns and summarize agreements/disagreements to the reflector.
    - Moves to next presentation

10BASE-T1L Changes

Steffen Graber Pepperl+Fuchs

- Some minor issues in slides – corrections requested.
    - As this is supporting a comment, discussion about the best way to do this. Take this offline.
- Coupling attenuation vs cross talk?
    - Only addressing coupling attenuation currently.
- For proposed changes (using this as an example)
    - Consider and address impact of change on other parts of the system.
    - Ask “Do we need to make the change?”.
- Presenter asserts that current link segment spec (e.g., return loss) doesn’t support some of the cable deployment cases (e.g., short cables with low resistance).
- Question about ELTCTL? – keep or remove?

Meeting closed – ~8:25am PT

Attendees (from Webex + emails)

Name	Employer	Affiliation	Attended 04/24
Amrit Gopal	Ford	Ford	y
Aniruddha Phatak	Renesas	Renesas	y
Brett McClellan	Marvell	Marvell	y
Brian Franchuk	Emerson	Emerson	y
Brian Rush	Maxim Integrated	Maxim Integrated	y
Chad Jones	Cisco	Cisco	y
Craig Gunther	Craig Gunther Consulting	Craig Gunther Consulting	y
Cyrus Kelly	Relcom Inc.	Relcom Inc.	y
Dave Hess	CordData	CordData	y
David Hoglund	Johnson Controls	Johnson Controls	y
Dayin Xu	Rockwell Automation	Rockwell Automation	y
Dieter Schicketanz	Consultant, Reutlingen University	Consultant, Reutlingen University	y
Doug Oliver	Ford	Ford	y
Fatma Caliskan	MicroChip	Microchip	y
Geoff Thompson	GraCaSI S.A.	Independent	y
George Zimmerman	CME Consulting	ADI, APL Group, Aquantia, BMW, Cisco, Commscope	y
Gergely Huszak	Kone	Kone	y
Haysam Kadry	Ford	Ford	y
Hongming An	Microchip	Microchip	y
Jean-Philippe Faure	Progilon	Progilon	y
Jim Bauer	Marvell	Marvell	y
Lokesh Kabra	Synopsys	Synopsys	y
Martin Miller	Microchip	Microchip	y
Mehmet Tazebay	Broadcom	Broadcom	y
Niall Fitzgerald	acuitas silicon	acuitas silicon	y
Olindo Savi	Hubbell	Hubbell	y
Oscar Freitas	ON Semiconductor	ON Semiconductor	y
Paul Neveux	Superior Essex	Superior Essex	y
Peter Jones	Cisco	Cisco	y
Phillip Brownlee	TDK	TDK	y
Sanaz Mortazavi	Volkswagen	Volkswagen	y
Steffen Graber	Pepperl+Fuchs	Pepperl+Fuchs	y
Tim Baggett	Microchip	Microchip	y
Todd Harpel	Berk-Tek	Berk-Tek	y
Ulrich Egenhofer	Draexlmaier	Draexlmaier	y
Wojciech Koczwara	Rockwell Automation	Rockwell Automation	y
Attendees			36