

IEEE 802.3cg 10SPE TF AdHoc meeting

23 JANUARY 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 7:05am 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
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-OPNP-ieee-802-participation-slide-ppt.ppt>
4. Made potentially essential patents call for 802.3cg – 10SPE
No-one responded.

Presentations/Discussion.

10BASE-T1L LPI Refresh Synchronization

Steffen Graber **Pepperl+Fuchs**

- Goal? Simpler implementation?
- Affect of energy consumption? What about asymmetric? Maybe less because can leave echo canceller off in some cases?
- Why a new state machine? Look at Clause 97.
- How about using an output from the master scrambler? LFSR on slave synced to master LFSR. Can we effectively can signal from master to slave. Generate an incrementing counter/ Worth looking at.
 - See 97.3.5.1. for the LPI synchronization in 1000BASE-T1 using the Partial Frame Counter. any similar counter (or LFSR state) could be used.
- Why not use one of the existing approaches in 802 already.

Progressing the draft

George Zimmerman

- For LPI Refresh Synchronization, consider sponsor ballot when full draft is open.
- 98% approval after D2.2 comment resolution
- Time to form Sponsor Ballot Pool, IEEE-SA member or per ballot fee.

Meeting closed – ~8:00 PT

Attendees (from Webex + emails)

Name	Employer	Affiliation	Attended 01/23
Amrik Bains	Cisco	Cisco	y
Amrit Gopal	Ford	Ford	y
Aniruddha Phatak	Renesas	Renesas	y
Bob Voss	Panduit	Panduit	y
Brett McClellan	Marvell	Marvell	y
Brian Franchuk	Emerson	Emerson	y
Chad Jones	Cisco	Cisco	y
Craig Gunther	Craig Gunther Consulting	Craig Gunther Consulting	y
Darshan Mehta	Tektronix	Tektronix	y
Dave Hess	CordData	CordData	y
David Brandt	Rockwell Automation	Rockwell Automation	y
David Law	HPE	HPE	y
Dayin Xu	Rockwell Automation	Rockwell Automation	y
Doug Oliver	Ford	Ford	y
Eric DiBiaso	TE	TE	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
Harald Zweck	Infineon	Infineon	y
Haysam Kadry	Ford	Ford	y
Jim Lawlis	Ford	Ford	y
Kevin Holcomb	Cisco	Cisco	y
Lars Mickan	Renesas	Renesas	y
Laura Schweitz	Turck	Turck	y
Maris Graube	Relcom Inc.	Relcom Inc.	y
Martin Miller	Microchip	Microchip	y
Michal Brychta	Analog Devices	Analog Devices	y
Mick McCarthy	Analog Devices	Analog Devices	y
Niall Fitzgerald	acuitas silicon	acuitas silicon	y
Oisín Ó Cuanacháin	Analog Devices	Analog Devices	y
Olaf Krieger	Volkswagen	Volkswagen	y
Peter Jones	Cisco	Cisco	y
Rakesh Sambaraju	Nexans	Nexans	y
Scott Griffiths	Rockwell Automation	Rockwell Automation	y

Steffen Graber	Pepperl+Fuchs	Pepperl+Fuchs	y
Tim Baggett	Microchip	Microchip	y
Ulrich Egenhofer	Draexlmaier	Draexlmaier	y
Vimalli Raman	Yazaki	Yazaki	y
Wojciech Koczwara	Rockwell Automation	Rockwell Automation	y
Attendees			40