IEEE 802.3cg 10SPE TF/802.3 10BP SG AdHoc meeting
APRIL 11 2018

Prepared by Peter Jones

Proposed Agenda:

1. Agenda/Admin 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).
2. Displayed pre & post-par slide deck, reviewed patent policy, participation conditions.
   https://development.standards.ieee.org/myproject/Public/mytools/mob/preparslides.pdf (10BP)
   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
3. Made potentially essential patents call for 802.3cg – 10SPE
   No-one responded.
4. Reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes.
5. Asked for approval of 28 MARCH 2018 minutes at end of meeting
   a. ***Approved without objection.***

Presentations/Discussion.

FAIRNESS CONSIDERATIONS FOR PLCA Kirsten Matheus BMW Group

- Looking at examples for audio traffic, considering packet/sample size/delay. Small packets & high sampling rate leads to high utilization and low efficiency.
- Short delay is critical for noise cancellation.
- Control channel is TCP/IP – if TCP/IP uses large packets, then insertion jitter is an issue.
- There are a number of ways to deal with this. The simplest way to control the real time traffic deal is to control the MTU, which bounds the worst-case delay to access the media.

Half Duplex (CSMA/CD) MAC & PLCA Interaction (V3) Yong Kim NIO

- AHC asked for clarification questions only during presentation, discussion held to the end (mostly successful).
- During presentation, a number of clarification questions asked/answered and some disagreements expressed about the presenters assumptions/interpretations.

PLCA & Multiple Collisions & PLCA-MAC Compatibility Piergiorgio Beruto CanovaTech

- AHC asked for clarification questions only during presentation, discussion held to the end (mostly successful).
- Question about the behavior in PLCA – how is carrier/CD implemented.
- Much discussion about what the standard says, what is commonly built, and how do we account for the real world installed base (e.g., a deployed system with a CPU/MAC combination, and a pluggable PHY interface, where the PHY interface is updated from 10BASE-T to 10SPE).

Follow-up to 10BASE-T1S Noise measurements Jay Cordaro Broadcom, Ltd.

Proposed Preamble: Synchronization in Noise, and Harness Defect Detection Jay Cordaro Broadcom, Ltd.

- Presenter time cut short (previous discussions ran long), ACH requested presenter to rapidly run through key points and defer most discussion to reflector.
- Slides not posted before presentation – will be uploaded soon after meeting.
- Will also allocate follow up discussion time in next AH meeting.

Meeting closed – 9:12am PT

Attendees (from Webex + emails)

Name	Employer	Affiliation	Attended 4/11
Anadi Shukla	Cadence	Cadence	y
Antonio Orzelli	Canova Tech	Canova Tech	y
Bernd Sostawa	MicroChip	MicroChip	y
Brett McClellan	Marvell	Marvell	y
Brian Franchuck	Emerson	Emerson	y
Conrad Zerna	Fraunhofer IIS	Fraunhofer IIS	y
Craig Gunther	Harmen	Harmen	y
Dale Borgeson	ED Engineering	Emerson	y
Dave Hess	CordData	CordData	y
David Brandt	Rockwell Automation	Rockwell Automation	y

David Hoglund	Johnson Controls	Johnson Controls	y
David Law	HPE	HPE	y
Dayin Xu	Rockwell Automation	Rockwell Automation	y
dixon chen	MicroChip	MicroChip	y
Don Pannell	NXP	NXP	y
Doug Oliver	Ford	Ford	y
Eric DiBiaso	TE	TE	y
Evgenij Glups	IHR Automotive	IHR Automotive	y
Geoff Thompson	GraCaSI S.A.	Independent	y
Gergely Huszak	Kone	Kone	y
Harald Zweck	Infineon	Infineon	y
Hongming An	Microchip	Microchip	y
James Withey	Fluke	Fluke	y
Jay Cordaro	Broadcom	Broadcom	y
Jean Picard	TI	TI	y
Jens Gottron	Siemens	Siemens	y
John Zang	MicroChip	MicroChip	y
Kirsten Matheus	BMW	BMW	y
Larry Matola	Aptiv	Aptiv	y
Laura Schweitz	Turck	Turck	y
Les Farkas	Alarm.com	Alarm.com	y
Lokesh Kabra	Synopsys	Synopsys	y
Martin Miller	Microchip	Microchip	y
Masood Shariff	CommScope	CommScope	y
Matthias Fritsche	HARTING Electronics GmbH	HARTING Electronics GmbH	y
Matthias Jaenecke	Yazaki	Yazaki	y
Michal Brychta	Analog Devices	Analog Devices	y
Natalie Wienckowski	GE	GE	y
Nicola Scantamburlo	Canova Tech	Canova Tech	y
Oisín Ó Cuanacháin	Analog Devices	Analog Devices	y
Peter Jones	Cisco	Cisco	y
Philip Axer	NXP	NXP	y
Phillip Brownele	TDK	TDK	y
Scott Griffiths	Rockwell Automation	Rockwell Automation	y
Shiva Akkihal	Microchip	Microchip	y
Steffen Graber	Pepperl+Fuchs	Pepperl+Fuchs	y
Steve Carlson	HSD	HSD	y
Sujan Pandey	NXP	NXP	y
Tim Baggett	Microchip	Microchip	y
Yong Kim	Nio	Nio	y
Attendees			50