IEEE 802.3cg 10SPE TF/802.3 10BP SG AdHoc meeting Feb 28th

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 February 14th minutes?
   a. Deferred to Chicago.

Presentations/Discussion.

Chair's Comments (10SPE & 10BP)

George Zimmerman CME (*)

- Covered agenda etc. for Chicago, and path forward for 802.3cg 10SPE TF and 802.3 10BPE SG.

10BASE-T1S Fairness Assessment Philip Axer NXP

- Frame rate fairness vs data rate fairness
- Optional extension to PLCA
- What type of traffic profile motivates this?
  - Anything mixed, e.g., control loop + firmware download
  - CSMA/CD doesn't deal with data rate
- Not clear that "short" and "long" always map to importance.
- Key question – given projects constraints – can this be addressed
  - As proposed, PHY/PLCA only need to know history – not current frame.
  - Makes scope easier
- Large vs small – not clear that this is the right choice.
  - Adjustable by config

- Would need to be the same on a given mixing segment
- Questions about consistency across mixing segment (enabled/disabled, credit size, error recovery, …)
- Basic Question – what about this can't we live without?
    - Draft is inflight, and we need to make rapid progress on locking down technical approaches (no open ended investigations)
    - Strawman ASAP.
    - Consistency, errors, etc

10Base-T1S Scrambler Analysis Hongming An MicroChip

- No questions.

Evaluation of Immunity Aspects in Multidrop Channels Galin Ivanov MicroChip

- Some asks about specific test cases (e.g., short cable). Response is that results are different, but not very different. Doesn't change the conclusions.
- Question about exact test conditions. Presenter will follow up with more detail.

Chair's Comments (10SPE & 10BP)
George Zimmerman CME (*)

- Process for Chicago – proposed comment resolutions & EZ bucket info sent to mailing list, please review before Chicago.
- Ask for technical proposals to be clear about goals, proposed changes, etc. Ideally they should go with a technical comment against the doc proposing the change.

Meeting closed – ~8:45am PT

Attendees (from Webex + emails)

Name	Employer	Affiliation	Attended 2/28
Alessandro Ingrassia	Canova Tech	Canova Tech	y
Aniruddha Phatak	Renesas	Renesas	y
Antonio Orzelli	Canova Tech	Canova Tech	y
Bernd Sostawa	MicroChip	MicroChip	y
Bob Voss	Panduit	Panduit	y
Brett McClellan	Marvell	Marvell	y

Brian Franchuck	Emerson	Emerson	y
Chad Jones	Cisco	Cisco	y
Chris Diminico	MC Communications/Panduit	MC Communications/ Panduit	y
Christian Boiger	b-plus GmbH	b-plus GmbH	y
Christoph Weiler	Siemens	Siemens	y
Clark Carty	Cisco	Cisco	y
Claude Gauthier	OmniPHY	OmniPHY	y
Conrad Zerna	Fraunhofer IIS	Fraunhofer IIS	y
CQ Xiong	MicroChip	MicroChip	y
Craig Gunther	Harmen	Harmen	y
Dale Amason	NXP	NXP	y
Dale Borgeson	ED Engineering	Emerson	y
David Brandt	Rockwell Automation	Rockwell Automation	y
Dayin Xu	Rockwell Automation	Rockwell Automation	y
dixon chen	MicroChip	MicroChip	y
Doug Oliver	Ford	Ford	y
Eric DiBiaso	TE	TE	y
Evgenij Glups	IHR Automotive	IHR Automotive	y
Gary Warren	MicroChip	MicroChip	y
Geoff Thompson	GraCaSI S.A.	Independent	y
George Zimmerman	CME Consulting	ADI, Aquantia, BMW, Cisco, Commscope	y
Gergely Huszak	Kone	Kone	y
Gian Marco Bo	Canova Tech	Canova Tech	y
Harald Zweck	Infineon	Infineon	y
Helge Zinner	Continental Corp.	Continental Corp.	y
Hongming An	Microchip	Microchip	y
Jay Cordaro	Broadcom	Broadcom	y
Jean Picard	TI	TI	y
Jens Gottron	Siemens	Siemens	y
Jiachi Yu	MicroChip	MicroChip	y
Jim Bauer	Marvell	Marvell	y
John Yurtin	Aptiv	Aptiv	y
John Zang	MicroChip	MicroChip	y
Kevin Yang	MicroChip	MicroChip	y
Laura Schweitz	Turck	Turck	y
Maris Graube	Relcom Inc.	Relcom Inc.	y
Michael Rentschler	MicroChip	MicroChip	y
Michal Brychta	Analog Devices	Analog Devices	y
Mike Gardner	Molex	Molex	y

Oisín Ó Cuanacháin	Analog Devices	Analog Devices	y
Olaf Krieger	Volkswagen	Volkswagen	y
Peter Jones	Cisco	Cisco	y
Philip Axer	NXP	NXP	y
Shiva Akkihal	Microchip	Microchip	y
Steffen Graber	Pepperl+Fuchs	Pepperl+Fuchs	y
Sujan Pandey	NXP	NXP	y
Tim Baggett	Microchip	Microchip	y
Venkat Iyer	Microchip	Microchip	y
Viliam Vozar	Onsemi	Onsemi	y
Vimalli Raman	Yazaki	Yazaki	y
Attendee count			42