

IEEE 802.3cg 10SPE TF AdHoc meeting

07 November 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 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>
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 October 24th minutes?
 - a. Approved without objection.

Presentations/Discussion.

FYI: Except for Chair's comments, notes against presentations summarize discussion in the call, not the presentation.

Chair's Comments George Zimmerman CME (*)

- Lots to do in Bangkok.
- Expect discussion to be focused on: resolving comments, nailing down any significant technical proposals, and (hopefully) satisfying our unsatisfied comments.
- The time for significant new technical proposals is past – we need to get any features refined in Bangkok.
- Use reflector to build consensus ahead on the meeting

Optional MDI Concerns Peter Jones Cisco

- ISO/IEC SC25 WG3 liaison reminds group that SC25 WG3 liaisons to 802.3 invited participation in the SC25 WG3 process (e.g., via national bodies like USTAG). In addition, the liaison officer offered assistance with this process.
- Reminder that the system interface (e.g. connector on a patch cord that attaches to a switch or end device) is within 802.3 scope. 802.3 takes input from groups like SC25 WG3, but makes its own decision.
- Possible different resolution to comments, add the MICE3 and also add additional text emphasizing the meaning of “may” and pointing out that future connector evolution is not precluded by 802.3cg.
- Comment that comparison with optical groups is not relevant due to the different costs drivers and broad market potential of 802.3cg 10SPE.

PLCA Burst Mode for In-cabinet Use Case Dayin Xu Rockwell Automation

- Concern that this is changing the access method. Ask to review other sections of 802.3 (e.g. EPON) that may have similar functions (e.g. master/slave use case).
- Presenters clarify that this is an application of the proposed PLCA burst mode, not a new proposal.
- Presenters see use case for peer-to-peer traffic on a multi-drop segment.
- Presenters encouraged to clarify that this is PLCA Burst Mode use case, and also to add description of the “peer-to-peer” use case mentioned on the call.

10BASE-T1S Auto Neg (update) Piergiorgio Beruto Canovatech

- Question about need for heartbeat, based on other inputs.
 - Presenter prefers signal as proposed.
 - There is no idle signaling so we have an issue getting AN to complete when one link partner is running AN, and the other isn't.
 - Provides link status indication in the absence of traffic.

PLCA Burst Mode (update) Piergiorgio Beruto Canovatech

- No discussion recorded for this topic.

PLCA Strict Precedence Piergiorgio Beruto Canovatech

- No discussion recorded for this topic.

10BASE-T1S Increased Transmit Voltage David Brandt Rockwell Automation

- Presented by Scott Griffiths
- Q about effect on collision detect threshold, and complexity of implementation.
- Clarified that this is expected to be optional.
- Some support from the call for this proposal.

Two Proposals for Priority Based PLCA Sungkwon Park et al Hanyang University

- Difficulties on the call with Webex, and use of the wrong version of the presentation by the AdHoc Chair delayed presentation
 - Chair allowed call to run overtime to enable presentation of the material.
- Is this addressing the same problem as PLCA Strict Precedence? If so, please review PLCA Strict Precedence.

Meeting closed – 9:15 PT

Attendees (from Webex + emails)

Name	Employer	Affiliation	Attended 11/07
Amrik Bains	Cisco	Cisco	y
Aniruddha Phatak	Renesas	Renesas	y
Bob Voss	Panduit	Panduit	y
Brett McClellan	Marvell	Marvell	y
Brian Franchuck	Emerson	Emerson	y
Byungjoo Kim	Hanyang University	Hanyang University	y
cera (Guest)	UNKNOWN	UNKNOWN	y
Chris Pohl	Beckhoff Automation	Beckhoff Automation	y
Clark Carty	Cisco	Cisco	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
Dieter Schicketanz	Consultant, Reutlingen University	Consultant, Reutlingen University	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
Inyong Jung	Hyundai	Hyundai	y

James Withey	Fluke	Fluke	y
Jay Cordaro	Broadcom	Broadcom	y
Jens Gottron	Siemens	Siemens	y
Jes Asmussen	Rockwell Automation	Rockwell Automation	y
Jim Bauer	Marvell	Marvell	y
Jinhwa Yun	Hyundai	Hyundai	y
Juho Lee (Guest)	Hanyang University	Hanyang University	y
Kevin Holcomb	Cisco	Cisco	y
Larry Matola	Aptiv	Aptiv	y
Laura Schweitz	Turck	Turck	y
Maris Graube	Relcom Inc.	Relcom Inc.	y
Masood Shariff	CommScope	CommScope	y
Matthias Fritsche	HARTING Electronics GmbH	HARTING Electronics GmbH	y
Michael Rentschler	MicroChip	MicroChip	y
Paul Neveux	Superior Essex	Superior Essex	y
Peter Jones	Cisco	Cisco	y
Phillip Brownele	TDK	TDK	y
Phong Pham	US Conec	US Conec	y
Scott Griffiths	Rockwell Automation	Rockwell Automation	y
Sungkwon Park (Guest)	Hanyang University	Hanyang University	y
TaeHyung Kim (Guest)	UNKNOWN	UNKNOWN	y
Theo Brillhart	Fluke	Fluke	y
Tim Baggett	Microchip	Microchip	y
Venkat Iyer	Microchip	Microchip	y
Attendees			43