

Minutes IEEE 802.3cg 10SPE TF AdHoc meeting MAY 10 2017

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.
2. Displayed post-par slide deck, reviewed patent policy, participation conditions.
 - a. Made potentially essential patents call – no one responded.
<https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.ppt>
<https://mentor.ieee.org/802-ec/dcn/16/ec-16-0180-01-00EC-ieee-802-participation-slide.pptx>
3. Reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes.
4. Asked for approval of April 26th minutes?
 - a. Only just posted, will ask for approval at next meeting.
5. Presented the proposed agenda.
 - a. Approved without objection.

Presentations/Discussion.

Chair's Comments George Zimmerman CME, etc

- Discussion of status of group, making good progress, but need to start zeroing in on multidrop, link segment for short reach, etc, so we can start getting baselines done.
- Discussion of meeting time for New Orleans, plan is to be done by ~ 3:00pm Friday.

IEEE 802.3cg Initial Noise Test Setup Bryan Moffitt

- Application Considerations
 - Question about target application of this cable, believed to be loudspeaker cable.
 - Presenter comments that “installed base cable” looks like a quite wide range of cabling.
- Quick setup to debug software
 - Presenter identified the test equipment he used.
 - Mentions the relationship to test work done in 802.3bz.
 - Discussion of various noise inputs, including impulse from ground etc, as well as usage of ferrites.

- Viewing software with filtering
 - Question about time units – Presenter says discount this as early version of test.
 - Will consider at end of presentation what, if any, data to publish to group.

10Mbps potential for general OEM Josetxo VILLANUEVA

- Discussion of sleep mode as defined in Open Alliance
 - We would need to get more information to understand if this imposes any requirements on the PHY.
- AVB/TSN
 - Need to dig into exact requirements.
 - Offer of presentation in New Orleans from Kirsten Matheus.
 - Need at least 802.1AS, need to talk about scheduling data.
 - Should also need to talk to AVnu & 802.1TSN on this topic. Peter will find contact for AVnu.
 - Interacts with multidrop.
- Multidrop
 - Need driven by cost compared to current technology and/or 100BASE-T1? Driven by cabling restrictions?
 - Options include head end switch with star wire, making the ECUs effectively 3 port switches.
 - Need to dig into the complexity/relative cost for the EPON like head end.
 - Relative costs compared to 100BASE-T1 – already covered in previous presentations from Kirsten and others.
- General discussion
 - CAN vs Ethernet – total system cost is the key vs individual components. Simplicity is good, but we need to be in the ballpark of current costs.
 - Support for AVB/TSN considered critical for a number of the use cases, follow up presentations coming to highlight exact use cases/requirements for PHY

Plan for next meeting George Zimmerman

- Please send in presentation requests for New Orleans ASAP.

Meeting closed – ~8:50 PT

Attendees (from Webex + emails)

Name	Affiliation	Attended 5/10

Alexander Felgenhauer	Yazaki	y
Ali Angha	Spirent	y
Andrea Agnes	ST Micro	y
Andrew Klaus	Marvell	y
Bob Voss	Panduit	y
Brett McClellan	Marvell	y
Brian Franchuck	Emerson	y
Chad Jones	Cisco	y
Christoph Wechsler	Audi	y
Clark Carty	Cisco	y
Claude Gauthier	OmniPHY	y
Craig Gunther	Harmen	y
Dale Borgeson	Emerson	y
Dave Hess	CordData	y
David Brandt	Rockwell Automation	y
David Law	HPE	y
Dayin Xu	Rockwell Automation	y
Dominik Dorner	Leoni	y
Geet Modi	TI	y
George Zimmerman	CME Consulting / Commscope, LTC & Aquantia	y
Harald Zweck	Infineon	y
Harsh Patel	Molex	y
Tom Herbst	Independent	y
Jean Picard	TI	y
Jens Gottron	Siemens	y
Jim Bauer	Marvell	y
Jose Villanueva	Renault	y
Laura Schweitz	Turck	y
Masood Shariff	CommScope	y
Mick McCarthy	Analog Devices	y
Oisín Ó Cuanacháin	Analog Devices	y
Peter Jones	Cisco	y
Phillip Brownele	TDK	y
piergiorgio	Canovatech	y
Steffen Graber	Pepperl+Fuchs	y
Steve Carlson	HSD	y
Sujan Pandey	NXP	y
Tim Schmidl	TI	y
Tobias Belitz	Renesas	y
Ulrich Nowack	Delphi	y

Attendee count		40
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