Unconfirmed Meeting Minutes: Meeting of the IEEE P802.3cg 10 Mbps Single-Pair
Ethernet Task Force

March 11-12, 2019
Vancouver, BC Canada

Prepared by Jon Lewis, Dell EMC

The meeting of the IEEE P802.3cg 10 Mbps Single Pair Ethernet Task Force convened
at 1:04 PM, Monday, March 11, 2019 by George Zimmerman, P802.3cg Task Force
chair.

Attendance for the meeting is listed in Appendix A

All presentations referenced in these minutes are located on the March 2019 P802.3cg
public website.

Administrative Matters

George Zimmerman displayed the agenda in agenda_3cg_01b_0319.pdf.

The Task Force Chair asked the participants to introduce themselves, their employer
and affiliations.

Motion #1:   Move to approve the agenda as shown in agenda_3cg_01b_0319.pdf.
M: Chris Diminico   S: Amrik Bains
Approved by voice without opposition (Procedural > 50%)
Motion Passes

Motion #2:   Move to approve minutes of IEEE P802.3cg 10 Mbps Single Pair
Ethernet Task Force from February 2019 with the following change: change date
from January to February in the header.
M: Peter Jones   S: Chris Diminico
Approved by voice without opposition (Procedural > 50%)
Motion Passes

- Mr. Zimmerman noted that there should be no recording or photography
  permitted.
- Mr. Zimmerman asked if anyone was attending from the press including those
  who would run a public blog on this meeting. None responded.

Chair reviewed the goals for the meeting, big ticket items, access to the reflector and
website, and ground rules for the meeting.

Attendance, Mr. Zimmerman advised the group that the attendance tool should be used each day to record attendance and that for today the only meeting that counts in IMAT is the plenary meeting held this morning. The physical attendance log was introduced and passed to the group.

IEEE Patent Policy, at **1:20 PM**, Mr. Zimmerman asked if anyone did not see the patent policy from the opening plenary, none responded. Mr. Zimmerman then made the call for potentially essential patents at **1:22 PM**, none responded. Mr. Zimmerman then read aloud slides #3 and #4.

Mr. Zimmerman noted that the slide entitled "Participation in IEEE 802 Meetings" had been shown in the opening plenary and thus would be reviewed and not read aloud completely. Mr. Zimmerman asked if there was any discussion necessary, none responded.

Chair reviewed the IEEE 802.3 Standards process and where the Task Force was in the process and the process by which we will develop the standard.

LIAISONS
No Liaisons were received.

Title: 802.3cg 10SPE TF Ad Hoc Report (jones_10spe_01_0319.pdf)
Presenter: Peter Jones, Cisco
Peter Jones indicated that the ad hoc minutes had just been posted and that he would defer asking for approval until closing business.

Title: Editor's Opening Report: P802.3cg Draft D2.3 (maguire_3cg_01a_0319.pdf)
Presenter: Valerie Maguire, Siemon; P802.3cg chief editor

The Editor reviewed the last draft balloting status, outlined the comments by topic, and reminded participants that the comments had been posted by topic on the website.

Motion #3: Move to accept the resolutions to all P802.3cg d2p4 comments
       marked with the Topic "Editorial" and posted as, ""Editorial" comments
       with proposed resolutions sorted by ID."
M: Valerie Maguire
S: Piergiorgio Beruto
(Technical >= 75%)
Y: 58   N: 0   A: 5
Motion Passes

The Chief Editor reviewed the distribution of the submitted comments.

At this time, the editor's report was concluded.

COMMENT RESOLUTION
Decisions during comment resolution were made by consensus, except where noted
that motions were taken. For details on comment resolution see the posted comment
database.

Presentations related to comment resolution are listed as they were presented. Details
on the outcome of these presentations are contained in the comment database.

Title: 802.3cg PAR and CSD issues, using D2.4 Draft (current as of this PDF)
        (802.3%20cg%20PAR%20and%20CSD%20Issues%20D2-4_v1_Kim_2019-03-
        08.pdf)
Presenter: Yong Kim, Nio

The group took a short break at 3:04 PM.

The group resumed at 3:35 PM.

Comment resolution continued.

Straw Poll #1:
I support the proposed resolution for Comment #44:
Y: 29   N: 4   A: 26

Motion #4: Move to resolve comments #9, #10, #11, #12, #13, #14, #15, #16, #17,
        #18, #19, #20, #21, #22, #23, #24, #25, #26, #27, #28, #29, #30, #31, #32, #33,
        #34, #35, #36, #37, #38, #39, and #40 as, "REJECT. This comment was
        WITHDRAWN by the commenter"
M: Valerie Maguire   S: Steffen Graber
 (Technical >= 75%)
Y: 50   N: 0   A: 7
Motion Passes

Straw Poll #2:
I support the proposed response to comment 45:
Y: 39   N: 1   A: 18

Straw Poll #3:
I support the proposed response above to comment 47:
Y: 37   N: 0   A: 17

Straw Poll #4:
I support the above proposed response to comment #46:
Y: 26   N: 3   A: 18

Straw Poll #5:
I support the above proposed response to comments #42 and #43 (same response):
Y: 38 N: 1   A: 10

Comment resolution concluded

The Chair reviewed the business for Tuesday morning and noted that the start time for Tuesday would be 9:30 AM.

The Task Force meeting recessed at 6:01 PM.

The Task Force was brought to order at 9:35 AM.

Administrative Matters

George Zimmerman displayed the agenda in agenda_3cg_01b_0319.pdf.

- Mr. Zimmerman noted that there should be no recording or photography permitted.
- Mr. Zimmerman asked if anyone was attending from the press including those who would run a public blog on this meeting. None responded.

Chair reviewed the goals for the meeting, big ticket items, access to the reflector and website, and ground rules for the meeting.

Attendance, Mr. Zimmerman advised the group that the attendance tool should be used each day to record attendance and proceeded to demonstrate the IMAT tool for the group. The physical attendance log was introduced and passed to the group.

IEEE Patent Policy, at **9:42 AM**, Mr. Zimmerman asked if anyone had not seen the patent policy this week, none responded. Mr. Zimmerman then displayed the slides for review and made the call for potentially essential patents at **9:43 AM**, none responded. Mr. Zimmerman then read aloud slides #3 and #4.

Mr. Zimmerman noted that the slide entitled "Participation in IEEE 802 Meetings" had been shown in the opening plenary and thus would be reviewed and not read aloud completely. Mr. Zimmerman asked if there was any discussion necessary, none responded.

Chair reviewed the IEEE 802.3 Standards process and where the Task Force was in the process and the process by which we will develop the standard.

The Chair displayed the unsatisfied comment file (8023cg_AllNotSat_report_ID_031219.pdf) and proceeded to display each unsatisfied comment allowing the group time to review each comment.

Title: Editor's Closing Report: P802.3cg Draft D2.3 (maguire_3cg_02_0319.pdf)
Presenter: Valerie Maguire, Siemon; P802.3cg chief editor

The group took a short break at 10:17 AM.

The group resumed at 10:48 AM.

Title: 10BASE-T1L Powering (stewart_3g_01_0319.pdf)
Presenter: Heath Stewart, Analog Devices

Motion 5: Move to instruct the editors to generate draft 2.5 from draft 2.4 and closed comments.
M: Valerie Maguire   S: Brett McClellan
(Technical >= 75%)
Y: 65 N: 0   A: 2
Motion Passes

Motion 6: Move to re-affirm the CSD responses in https://mentor.ieee.org/802-ec/dcn/18/ec-18-0079-00-ACSD-802-3cg.pdf and request approval to progress the P802.3cg draft to IEEE Standards Association ballot.
M: Piergiorgio Beruto   S: Steffen Graber
 (Technical >= 75%)
Y: 52 N: 3   A: 12
Motion Passes

The Chair asked if anyone had additional business, none responded.

Motion #7: Adjourn the meeting.
M: Bob Grow   S: James Withey
Approved by voice without opposition (Procedural > 50%)
Motion Passes

THE MEETING ADJOURNED AT 11:35 AM

Appendix A: Attendees at the IEEE P802.3cg 10 Mb/s Single-Pair Ethernet Task Force Meeting, March 11-12, 2019.

IEEE 802.3 P802.3cg 10 Mb/s Single Pair Ethernet Task Force IEEE 802.3 March 2019				Day 1 11 March	Day 2 12 March
By choosing to attend and sign in to this meeting, you acknowledge and agree that your personal data will be documented for IEEE standards development purposes to comply with policies and procedures, legal and accreditation requirements, and evaluation of patent claims by patent offices. See Front Page for additional information.					
Last Name	First Name	Employer	Other Affiliations	Mon	Tues
An	Hongming	Microchip	Microchip	X	X
Andrü	Stefan	SEI ANTech-Europe GmbH	SEI ANTech-Europe GmbH	X	X
Aono	Michikazu	Yazaki	Yazaki	X	X
Araki	Nobuyasu	Yazaki	Yazaki	X	X
Asmussen	Jes	Rockwell Automation	Rockwell Automation	X	X
Baggett	Tim	Microchip	Microchip	X	X
Bains	Amrik	Cisco	Cisco	X	X
Beaudoin	Denis	TI	TI	X	X
Beruto	Piergiorgio	Canova Tech SRL	Canova Tech SRL	X	X
Bhagwat	Gitesh	Analog Devices	Analog Devices	X	X
Bouse	David	Tektronix	Tektronix	X	
Boyer	Rich	Aptiv	Aptiv	X	X
Brandt	David	Rockwell Automation	Rockwell Automation	X	X

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Last Name	First Name	Employer	Other Affiliations	Mon	Tues
Brillhart	Theo	Fluke Networks	Fluke Networks	X	
Brownlee	Phillip	Independent	TDK	X	X
Brychta	Michal	Analog Devices	Analog Devices	X	
Bustus Heredia	Jaird	Würth Elektronik eisos	Würth Elektronik eisos	X	
Carty	Clark	Cisco	Cisco	X	X
Chabot	Craig	UNH-IOL	UNH-IOL	X	
Dawson	Fred	Chemours	Chemours	X	X
Dearing	Mark	Leviton	Leviton	X	X
den Besten	Gerrit	NXP	NXP	X	X
DiMinico	Christopher	MC Communications	Panduit	X	
Donahue	Curtis	UNH - IOL	UNH - IOL	X	
Dube	Kathryn	UNH-IOL	UNH-IOL	X	X
Dupuis	Marc	Web Industries	Web Industries	X	
Fazlollah	Amir	Futurewei	Futurewei	X	

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		IEEE 802.3 P802.3cg 10 Mb/s Single Pair Ethernet Task Force IEEE 802.3 March 2019		Day 1 11 March	Day 2 12 March
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Franchuk	Brian	Emerson Automation Solutions	Emerson Automation Solutions	X	X
Fritsche	Matthias	Harting	Harting	X	X
Frosch	Richard	PhiHong USA	PhiHong USA	X	
Fukuoka	Takashi	Auto Networks Tech.	Auto Networks Tech.	X	
Gardner	Mike	Molex, LLC	Molex, LLC	X	X
Gauthier	Claude	NXP	NXP	X	
Gottron	Jens	Siemens AG	Siemens AG	X	X
Graber	Steffen	Pepperl+Fuchs	Pepperl+Fuchs	X	X
Grau	Olaf	Robert Bosch	Robert Bosch	X	X
Grow	Robert	RMG Consulting	RMG Consulting	X	X
Gubow	Martin	Keysight Technologies	Keysight Technologies	X	X
Hopkinson	Wayne	Commscope	Commscope	X	
Horrmeyer	Bernd	Phoenix Contact	Phoenix Contact	X	X
Hyakutake	Yasuhiro	Adament Namiki Precision Jewel	Adament Namiki Precision Jewel	X	X
Ito	Hiroaki	Yazaki	Yazaki	X	X
Jimenez	Andrew	Anixter Inc.	Anixter Inc.	X	X

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Jones	Peter	Cisco	Cisco	X	X
Kadry	Haysam	Ford Motor Company	Ford Motor Company	X	X
Kasra	Lokesh	Synopsys Inc.	Synopsys Inc.	X	
Kim	Yong	NIO	NIO	X	X
Koczwara	Wojciech	Rockwell Automation	Rockwell Automation	X	X
Kountz	Dennis	Chemours	Chemours	X	X
Lackner	Hans	QoSCom	QoSCom	X	X
Law	David	Hewlett Packard Enterprise	Hewlett Packard Enterprise	X	X
Lewis	Jon	Dell | EMC	Dell | EMC	X	X
Liang	Haixiang	Futurewei	Futurewei	X	
Lin	Alex	Mediatek	Mediatek	X	X
Lo	William	Axonne Inc.	Axonne Inc.	X	
Maguire	Valerie	Siemon	Siemon	X	X
Mash	Chris	Marvell	Marvell	X	
McClellan	Brett	Marvell	Marvell		X
Miller	Martin	Microchip	Microchip	X	X
Mortazavi	Sanaz	Volkswagen	Volkswagen	X	X

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Last Name	First Name	Employer	Other Affiliations	Mon	Tues
Mortzaiee	Sanaz	Volkswagen AG	Volkswagen AG		X
Mueller	Harald	Endress+Hauser	Endress+Hauser	X	X
Müeller	Thomas	Rosenberger	Rosenberger	X	X
Murphy	Sean	Texas Instruments	Texas Instruments	X	
Neveux	Paul	Superior Essex	Superior Essex		X
Oberg	Mats	Marvell	Marvell	X	
Patel	Harsh	Molex	Molex	X	X
Pohl	Christopher	Beckhoff	Beckhoff	X	X
Raju	Parthasarathy	Tektronix	Tektronix	X	
Rashidi	Habib	Pulse Electronics	Pulse Electronics	X	X
Renteria	Victor	Bel Fuse Inc.	Bel Fuse Inc.	X	X
Rettig	Thomas	Beckhoff	Beckhoff	X	X
Salehi	Hamidreza	Marvell	Marvell	X	
Savi	Olindo	Hubbell	Hubell	X	X
Sedio	Steve	TDK	TDK	X	X
Shiino	Masato	Furukawa Electric	Furukawa Electric	X	X
Sparrowhawk	Bryan	Leviton	Leviton	X	X
Stewart	Heath	Analog Devices	Analog Devices	X	X

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Last Name	First Name	Employer	Other Affiliations	Mon	Tues
Taiji	Kondo	Megachips	Megachips	X	X
Takahashi	Tadashi	Nitto Denko Corp.	Nitto Denko Corp.		X
Takata	Kensaku	Auto Networks Tech.	Auto Networks Tech.	X	
Takayama	Kazuya	Nitto Denko Corp.	Nitto Denko Corp.		X
Thompson	Geoff	GraCaSI SA.	Independent	X	X
Tseng	Dachin	Realtek	Realtek	X	X
Wechsler	Christopher	Audi AG	Audi AG		X
Wienckowski	Natalie	GM	GM	X	X
Withey	James	Fluke Networks	Fluke Networks	X	X
Wu	Peter	Marvell	Marvell	X	X
Wu	Dance	Marvell	Marvell	X	
Wucher	Markus	Endress+Hauser	Endress+Hauser		X
Xu	Dayin	Rockwell Automation	Rockwell Automation	X	X
Young	Adrian	Leviton	Leviton		X
Zhu	Chunhui	Huawei R&D USA	Huawei R&D USA	X	
Zielinski	Martin	Emerson Automation Solutions	Emerson Automation Solutions	X	X

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Last Name	First Name	Employer	Other Affiliations	Mon	Tues
Zimmerman	George	CME Consulting	Commscope, Aquantia, CME Consulting, Cisco, ADI, BMW, APL Group, SensTek	X	X
Zinner	Helge	Continental	Continental	X	