

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

August 14-15, 2019
Milwaukee, WI, USA

Prepared by Jon Lewis, Dell EMC

The meeting of the IEEE P802.3cg 10 Mbps Single Pair Ethernet Task Force convened at 8:12 AM, Wednesday, August 14, 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 [August 2019 P802.3cg public website](#).

Administrative Matters

The Chair started the meeting by thanking Rockwell Automation for hosting this out-of-cycle interim.

George Zimmerman displayed the agenda in [agenda 3cg 01b 0719.pdf](#).

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

- 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.

Motion #1: Move to approve the agenda as shown in [agenda 3cg 01 0819.pdf](#).

M: Peter Jones

S: Steffen Graber

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 July 2019 as posted.

M: Bob Voss

S: Brian Franchuk

Approved by voice without opposition (Procedural > 50%)

Motion Passes

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 would not be used as this interim meeting was less than 2 days and wasn't a qualifying interim for attendance purposes. The physical attendance log was introduced and passed to the group.

IEEE Patent Policy, at **8:35 AM**, Mr. Zimmerman read aloud slides #1 and #2. Mr. Zimmerman then made the call for potentially essential patents at **8:37 AM**, none responded. Mr. Zimmerman then read aloud slides #3 and #4.

Mr. Zimmerman showed and summarized the slide entitled "Participation in IEEE 802 Meetings". 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 clearly defined the basis by which the Task Force can move to RevCom as the schedule indicates. The Chair asked the group if there were any questions regarding the process, none responded.

The Chair reviewed the timeline noting key dates to RevCom submittal.

LIAISONS

No Liaisons

Title: Editor's Opening Report: P802.3cg Draft D3.2 ([maquire 3cg 01a 0819.pdf](#))
Presenter: George Zimmerman, CME Consulting

Motion #3: Move to consider 1 comment (r02-067) submitted after the P802.3cg draft 3.2 SA recirculation ballot deadline

M: Peter Jones S: Bob Voss

(Technical >= 75%)

Motion Passes by voice without objection

The Chair 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.

The Chair reviewed the distribution of the submitted comments and asked if there were any comments where the commenter would like to withdraw the comment, none responded.

Motion #4: Accept the resolutions to all P802.3cg d3p2 comments marked with the Topic “EZ” and posted as, “[EZ Bucket” comments with proposed resolutions sorted by Comment ID](#), excluding none.

M: David Brandt **S:** Steffen Graber

(Technical $\geq 75\%$)

Motion Passes by voice without objection

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.

Straw Poll #1:

I support: (pick one)

A: Rejecting Comment r02-55 as out of scope with no consensus to change.

B: resolving Comment r02-55 with: “Accept in Principle”. Adjusting the text as necessary.

A: 10 B: 4

The group took a short break at 10:07 AM.

The group resumed at 10:34 AM.

Comment resolution continued.

Title: SCCP Modifications ([stewart 0819 01.pdf](#))

Presenter: Gitesh Bhagwat, Analog Devices

The group took a short break at 11:20.

The Task Force resumed at 11:36.

The Chair moved to presentations related to comments and noted that questions during the presentations would be limited to questions of clarification and that debate on the comment would take place during comment resolution.

Title: 8023cg_D3p2_CMP_Substantive MDI Comments

([diminico 3cg 01 0819.pdf](#))

Presenter: Chris Diminico, MC Communications/PHY-SI/SensTekse/Panduit

Title: Thoughts about the MDI connector ([Horrmeier 3cg 01a 0819.pdf](#))
Presenter: Bernd Horrmeier, Phoenix Contact

Title: IEC 63171-1 Connector Standard progresses to FDIS
([shariff 3cg 08 0219.pdf](#))
Presenter: Masood Shariff, Commscope

The group took a lunch break at 12:30 PM.

The group resumed at 1:02 PM.

Presentations related to comments continued after lunch.

Title: Contribution to the MDI discussion ([Fritsche 3cg 01 0819.pdf](#))
Presenter: Matthias Fritsche, Harting

Comment resolution continued.

Alternatives for Straw Polls and Motion #5:

Alternative "A" (above): ACCEPT IN PRINCIPLE (commenter's suggested remedy with correction for missing text)

Alternative B: ACCEPT IN PRINCIPLE - Same text as "A", but with -6 as well. (Return to the draft 3.0 text, with references corrected)

Alternative C: Remain as is (no connector in the draft), (REJECT - No consensus to change).

Alternative D: ACCEPT IN PRINCIPLE - Same text as "A", but "shall" instead of "may".

Alternative E: ACCEPT IN PRINCIPLE - text as in "A", but with the following first paragraph substituted. (paragraph to the figures remains the same) "Connectors meeting the mechanical specifications of IEC 63171-1 shall be used as the compatibility interface between the PMA and the medium. The use of other types of connectors, if any, within a PMA or within the medium, although not precluded, is outside the scope of this standard."

Straw Poll #3:

I would strongly oppose Alternative(s) (Chicago rules):

- A (-1, "may"): 5
- B (-1 & -6, "may"): 6
- C (no change): 7
- D (-1, "shall"): 12
- E (-1, "shall" + "compatibility"): 10
- None: 1

Straw Poll #4:

I support option(s):

A (-1, "may"): 9
B (-1 & -6, "may"): 12
C (no change): 12
D (-1, "shall"): 0
E (-1, "compatibility"): 6
None: 1

Straw Poll #5:

I support:

Alternative B: (-1 and -6, "may"): 11

Alternative C: (no change): 10

The group took a short break at 3:02.

The group resumed at 3:25.

Comment resolution continued.

Straw Polls 6:

I support (vote on each):

A (-1, "may"): Y:7 N:6 A:6

B (-1 & -6, "may"): Y:12 N:4 A:4

D (-1, "shall"): Y:9 N:9 A:3

E (-1, "compatibility"): Y:10 N:7 A:4

Motion #5: Move to respond to comment r02-14 with Alternative B: (see straw polls, ACCEPT IN PRINCIPLE - Same text as "A", but with -6 as well. (Return to the draft 3.0 text, with references corrected))

M: Chris Diminico S: Ron Nordin

(Technical >= 75%)

Y:13 N: 4 A: 7

Motion Passes

The group took a short break at 4:50 PM.

The group resumed at 5:48 PM.

Comment resolution continued

The Chair noted that the meeting would resume per the posted schedule at 8:00 AM Thursday.

The group recessed for the day at 6:06 PM.

The Chair called the meeting to order at 8:32 AM.

The Chair brought the meeting to order and noted that introductions would be done just prior to the break.

The Chair reminded the group to sign the attendance sheet.

- 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.

IEEE Patent Policy, at **8:37 AM**, Mr. Zimmerman asked if anyone had not seen the patent policy, none responded. The Chair then made the call for potentially essential patents at **8:38 AM**, none responded. Mr. Zimmerman then displayed slides #3 and #4.

Mr. Zimmerman showed and then showed the slide entitled "Participation in IEEE 802 Meetings". 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.

Motion #6: Move to consider 4 comments (r02-068, r02-069, r02-070, r02-071) submitted after the P802.3cg draft 3.2 SA recirculation ballot deadline.

M: Steffen Graber S: Peter Jones

(Technical >= 75%)

Y: 20 N: 0 A: 0

Motion Passes

Comment resolution continued.

The group broke for a short break at 9:42 AM.

The group resumed at 10:00 AM.

Comment resolution continued.

Title: r02-33 Proposed Responses ([r02-33 Proposed Response.pdf](#))

Presenter: Piergiorgio Beruto, Canova Tech

Comment resolution concluded

Title: Editor's Closing Report: P802.3cg Draft D3.2
([zimmerman 3cg 01 0819.pdf](#))

Presenter: George Zimmerman, CME Consulting

Motion #7: Move to instruct the Task Force editors to generate draft 3.3 from draft 3.2 and the closed comments, with editorial license granted to update PICS as needed, conform to RevCom guidelines, align editing instructions to closed comments, and conduct a 15-day third SA Recirculation ballot.

M: Jon Lewis S: Steffen Graber

(Technical \geq 75%)

Y: 24 N: 0 A: 0

Motion Passes

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

Motion #8: Adjourn the meeting.

M: Bob Voss S: Peter Jones

Approved by voice without opposition (Procedural $>$ 50%)

Motion Passes

THE MEETING ADJOURNED AT 11:57 AM

Appendix A: Attendees at the IEEE P802.3cg 10 Mb/s Single-Pair Ethernet Task Force Meeting, August 14-15, 2019.

IEEE 802.3 P802.3cg 10 Mb/s Single Pair Ethernet Task Force IEEE 802.3 August 2019				Day 1 14 Aug	Day 2 15 Aug
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	Wed	Thurs
Baggett	Tim	Microchip	Microchip	X	X
Beruto	Piergiorgio	Canova Tech SRL	Canova Tech SRL	X	X
Bhagwat	Gitesh	Analog Devices	Analog Devices	X	X
Brandt	David	Rockwell Automation	Rockwell Automation	X	X
Buchanan	Rory	On Semiconductor	On Semiconductor	X	
DiMinico	Christopher	MC Communications	Panduit	X	X
Franchuk	Brian	Emerson Automation Solutions	Emerson Automation Solutions	X	X
Fritsche	Matthias	Harting	Harting	X	X
Graber	Steffen	Pepperl+Fuchs	Pepperl+Fuchs	X	X
Griffiths	Scott	Rockwell Automation	Rockwell Automation	X	X
Hoglund	David	Johnson Controls	Johnson Controls	X	
Hormmeyer	Bernd	Phoenix Contact	Phoenix Contact	X	X
Jones	Peter	Cisco	Cisco	X	X
Kadry	Haysam	Ford Motor Company	Ford Motor Company	X	X
Koczwar	Wojciech	Rockwell Automation	Rockwell Automation	X	X
Law	David	Hewlett Packard Enterprise	Hewlett Packard Enterprise	X	X
Lewis	Jon	Dell EMC	Dell EMC	X	X
Martin	William	Rockwell Automation	Rockwell Automation	X	X
Neveux	Paul	Superior Essex	Superior Essex	X	X
Nordin	Ron	Panduit	Panduit	X	X

IEEE 802.3 P802.3cg 10 Mb/s Single Pair Ethernet Task Force IEEE 802.3 August 2019	Day 1 14 Aug	Day 2 15 Aug
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Last Name	First Name	Employer	Other Affiliations	Wed	Thurs
Polak	Piotr	Harting	Harting	X	X
Reed	McKensie	Harting	Harting	X	X
Sedio	Steve	TDK	TDK	X	X
Shariff	Masood	Commscope	Commscope	X	X
Voss	Bob	Panduit	Panduit	X	X
Xu	Dayin	Rockwell Automation	Rockwell Automation	X	X
Zielinski	Martin	Emerson Automation Solutions	Emerson Automation Solutions	X	X
Zimmerman	George	CME Consulting	Commscope, Aquantia, CME Consulting, Cisco, ADI, BMW, APL Group, SensTek	X	X