Approved Minutes
IEEE P802.3cd 50 Gb/s, 100 Gb/s, 200 Gb/s Ethernet Task Force
Interim Meeting
September 12-13, 2017
Charlotte, NC, USA
Prepared by Kent Lusted

Table of Contents

IEEE P802.3cd 50 Gb/s, 100 Gb/s, 200 Gb/s Ethernet Task Force – September 12, 2017

Prepared by Kent Lusted

IEEE P802.3cd 50 Gb/s, 100 Gb/s, and 200 Gb/s Ethernet Task Force meeting convened at ~8:35 a.m., by Mark Nowell, Task Force Chair.

Chair welcomed attendees.

Introductions were made.

Chair reviewed agenda in http://www.ieee802.org/3/cd/public/Sept17/agenda_3cd_01_0917.pdf

Motion #1:
Move to approve the agenda:
- Moved by: Steve Trowbridge
- Second by: Mike Dudek
- Passed by voice without opposition

Minutes were posted shortly after the July meeting. Chair asked if there was any feedback on the posted minutes. No one responded.

Motion #2:
Move to approve the July 2017 minutes:
- Moved by: Pete Anslow
- Second by: Mike Li
- Passed by voice without opposition

Chair reminded participants to observe meeting decorum. Called for members of the press. No one responded. Photography and recording are not permitted.

Chair reviewed the reflector and web information. Chair reviewed the ground rules for the meeting.

Chair reviewed the attendance procedures. Chair reminded participants to sign into the IEEE Meeting Attendance Tool and to sign the book.

Chair reviewed the IEEE structure.

Chair reviewed the Bylaws and Rules slides in http://www.ieee802.org/3/cd/public/Sept17/agenda_3cd_01_0917.pdf

Chair noted that there was a slide with a statement on the participation in IEEE 802 Meetings. Chair asked if there were questions about the participation requirements. No one responded.

IEEE Patent Policy: Chair reviewed the Patent related slides on the 4 slides contained in the agenda. Chair calls for potentially essential patents. No one responded. Chair read the Guidelines for IEEE WG meetings. No one responded.

Chair advised the WG attendees that:
- The IEEE's patent policy is described in Clause 6 of the *IEEE-SA Standards Board Bylaws*;
- Early identification of patent claims which may be essential for the use of standards under development is strongly encouraged;
- There may be Essential Patent Claims of which the IEEE is not aware. Additionally, the IEEE, the WG, nor the WG chair can ensure the accuracy or completeness of any assurance or whether any such assurance is, in fact, of a Patent Claim that is essential for the use of the standard under development.

No one responded.

Chair reviewed the IEEE 802.3 Standards Process.

Chair noted that 1 liaison letter from the OIF was received with a copy of the OIF specifications. The letters and documents are posted to the website. The Task Force will need to prepare a response for consideration.

Chair reviewed the links to the P802.3cd Ethernet Task Force approved project documentation.

Chair reviewed the adopted objectives.

Chair reviewed the adopted timeline. Chair noted that there may be an opportunity to reduce the plan by 1 cycle by going to Sponsor Ballot in November 2017.

The technical presentations will be addressed during comment resolution.

Goals for the meeting:
- Comment Resolution
- Review Technical presentations
- Generate Draft 2.2

Chair discussed the process for forming the sponsor ballot pool.

Chair reviewed the meeting agenda.

Future Meetings:
- Nov 2017 Plenary
    - Week of November 5, 2017 – Orlando, FL, USA
- January 2018 Interim
    - Week of January 22, 2018 – Geneva, Switzerland
- March 2018 Plenary
    - Week of March 5, 2018 – Rosemont, IL, USA

Anyone interested in hosting a meeting should contact the Chair or Steve Carlson.

Presentation #1:
"Chief Editor's Report", Matt Brown
See: http://www.ieee802.org/3/cd/public/Sept17/brown_3cd_01_0917.pdf

- Chair thanked the editors and advisors for their efforts to review and produce the draft.
- Matt noted that the "bucket worthy" comment file was posted to the website.

Presentation #2:
"Comment Agenda", Matt Brown
See: http://www.ieee802.org/3/cd/public/Sept17/comment_agenda_8023cd_sept_17.pdf

- Matt reviewed the list of comments considered "bucket" worthy. (see: http://www.ieee802.org/3/cd/comments/8023cd_D21_comment_proposed_responses_bucket_list.pdf)
- Matt asked participants to review the proposed responses for the "bucket worthy" comments and notify the Chair, the Chief Editor and the Recording Secretary of any comments that should be addressed on the Task Force floor. The proposed responses to the unresolved bucket comments will be adopted in a motion during closing business.

IEEE P802.3cd Task Force Ad-hoc report:
"802.3cd Task Force Ad-hoc report", Kent Lusted
See: http://www.ieee802.org/3/cd/public/Sept17/lusted_3cd_01_0917.pdf

- Tentatively expect calls to resume on September 27, 2017. Announcement will be made over the email reflector.

Chair displayed the proposed liaison response to OIF. (see: http://www.ieee802.org/3/cd/public/Sept17/IEEE_802d3cd_to_OIF_CEI_0917_liaison.docx) A few changes were made and saved.

Motion #3:
Move that the Task Force approve the text in IEEE_802d3cd_to_OIF_CEI_0917_liaison.docx with editorial license granted to the Chair (or his appointed agent) as a liaison from the IEEE P802.3cd Task Force to OIF

- M: Kent Lusted
- S: Paul Kolesar
- Procedural (>50%)
- Results: passes by voice without opposition

Comment resolution began.

Matt Brown noted that there was a request to remove comment #83 from the "bucket" list.

Matt Brown noted that there was a request to remove comment #85 from the "bucket" list.

Break at ~10:00 a.m. Resumed ~10:30 a.m.

Presentation #3:
 "RS-FEC Codeword Monitoring for 802.3cd", Kent Lusted on behalf of Adee Ran
See: http://www.ieee802.org/3/cd/public/Sept17/ran_3cd_01_0917.pdf

Straw Poll #1:
Details in the comment database under comment #14.

Presentation #4:
 "Supporting materials for comment #67", Jeff Slavick
See: http://www.ieee802.org/3/cd/public/Sept17/slavick_3cd_01_0917.pdf

Participants were asked to review the proposed responses for the "bucket worthy" comments and notify the Chair, the Chief Editor and the Recording Secretary of any comments that should be addressed on the Task Force floor. The proposed responses to the unresolved bucket comments will be adopted in a motion during closing business.

Break at ~12:00 p.m. Resume at ~1:10 p.m.

Comment resolution continued.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool and to sign the book.

Participants were asked to review the proposed responses for the "bucket worthy" comments and notify the Chair, the Chief Editor and the Recording Secretary of any comments that should be addressed on the Task Force floor. The proposed responses to the unresolved bucket comments will be adopted in a motion during closing business.

Matt Brown noted that there was a request to remove comment #46 and #72 from the "bucket" list.

Mike Dudek withdrew comment #71.

Presentation #5:
"Improved optical power specs for 50GBASE-FR and 100GBASE-DR", Piers Dawe
See: http://www.ieee802.org/3/cd/public/Sept17/dawe_3cd_02_0917.pdf

Matt Brown asked if there was objection to resolving 3 comments (#89-91) that were received after the ballot closed. No one responded.

Mike Dudek withdrew comment #68.

Mike Dudek withdrew comment #69.

Chief Editor reviewed the unsatisfied comments from Draft 2.0 related to the optical interfaces. Piers Dawe stated that he was now satisfied with comment #20126.

Chair noted that a late presentation from Piers Dawe dawe_3cd_01a_0917 was received and asked if there was opposition to hearing the presentation. No one responded.

Presentation #6:
"Return Loss and Impedance", Piers Dawe
See: http://www.ieee802.org/3/cd/public/Sept17/dawe_3cd_01a_0917.pdf
- Author indicated a new version of the presentation '01a' was available. There was no opposition.

Presentation #7:
"Return Loss, ERL, and COM variations", Rich Mellitz
See: http://www.ieee802.org/3/cd/public/Sept17/mellitz_3cd_01a_0917.pdf
- Author indicated a new version of the presentation '01a' was available.

Break at ~3:15 p.m. Resume ~3:30 p.m.

Comment resolution continued.

Presentation #8:
"SNDR and SNR_{TX}", Piers Dawe for Alexander Rysin
See: http://www.ieee802.org/3/cd/public/Sept17/rysin_3cd_01_0917.pdf
- Clarifying questions were asked and answered
- There was a request for more simulation data at TP1a for SNDR, SNRISI, etc.

Presentation #9:
"SNR_{ISI} (Clauses 136 and 137)", Piers Dawe for Alexander Rysin
See: http://www.ieee802.org/3/cd/public/Sept17/rysin_3cd_02_0917.pdf
- Clarifying questions were asked and answered
- There was a request for more data.

Participants were asked to review the proposed responses for the "bucket worthy" comments and notify the Chair, the Chief Editor and the Recording Secretary of any comments that should be addressed on the Task Force floor. The proposed responses to the unresolved bucket comments will be adopted in a motion during closing business.

Chair announced that he received an email from Rich Mellitz indicating withdrawal of comments #25-28.

Break for the day at ~6:00 p.m.

Prepared by Kent Lusted

Meeting convened at ~8:35 a.m. by Mark Nowell.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool and the attendance book.

Participants were asked to review the proposed responses for the "bucket worthy" comments and notify the Chair, the Chief Editor and the Recording Secretary of any comments that should be addressed on the Task Force floor. The proposed responses to the unresolved bucket comments will be adopted in motion during closing business.

Comment resolution continued.

Chief Editor outlined the plans for after the break.

Participants were asked to review the proposed responses for the "bucket worthy" comments and notify the Chair, the Chief Editor and the Recording Secretary of any comments that should be addressed on the Task Force floor. The proposed responses to the unresolved bucket comments will be adopted in a motion during closing business.

Break at ~9:50 a.m. Resumed ~10:20 a.m.

Comment resolution ended.

Chair reminded participants to sign into the IEEE Meeting Attendance Tool and the attendance book.

Discussed the versions of COM on the various IEEE 802.3 task force websites. Adam Healey noted that there is no official published version of COM; Clause 93A of the IEEE 802.3 standard specifies COM. Sometimes variations of the Matlab code that are used to generate the data used in a contributed presentation (in ad hoc or in TF meetings) are posted to the website with the contribution for ease of use by participants. Chair offered to post a contribution with a COM version summary, if a participant prepares it.

Chair thanked the editorial team. Chief Editor thanked the editorial team.

Motion #4:
Move to:
- Accept the proposed responses to any unresolved comments listed in 8023cd_D21_comment_proposed_responses_bucket_list.pdf
- Generate Draft 2.2 from Draft 2.1 and closed comments
- M: Matt Brown
- S: Kent Lusted
- Technical (>=75%),
- Y: 53 N: 0   A: 0

- Results: passes

Chair outlined the plan to progress to Sponsor Ballot.

Motion #5:
Move to Adjourn:
- Moved by: Dave Ofelt
- Second by: Mike Dudek
- Passed by voice vote without opposition

Meeting ended at ~11:45 a.m.

Attendees

P802.3cd, September 2017			12-Sep-17	13-Sep-17
Last Name	**First Name**	**Affiliation**	**Tuesday**	**Wednesday**
Abbott	Justin	Lumentum	x	x
Anslow	Pete	Ciena Corporation	x	x
Baden	Eric	Broadcom	x	x
Brooks	Paul	Viavi Solutions	x	x
Brown	Matt	MACOM	x	x
Burrell	Gary	Elenion Technologies	x	x
Butter	Adrian	Global Foundries	x	x
Calvin	John	VTM	x	x
Chalupsky	David	Intel	x	
Choudhury	G. Mabud	OFS	x	
Dawe	Piers	Mellanox	x	x
DiMinico	Christopher	MC Communications/Panduit	x	x
Dudek	Mike	Cavium	x	x
Estes	Dave	Spirent Communications	x	x
Ewen	John	Global Foundries	x	
Fathi	Borhan	Nvidia	x	x
Goldberg	Jonathan	IEEE-SA		x
Gorshe	Steve	microsemi	x	x
Grow	Bob	RMG Consulting	x	
Gustlin	Mark	Xilinx	x	
Hayakawa	Akinori	Fujitsu Laboratories	x	x
Healey	Adam	Broadcom Limited	x	
Heck	Howard	Intel	x	x
Hegde	Raj	Broadcom	x	

9

Hidaka	Yasuo	Fujitsu Laboratories of America	x	x
Horner	Rita	Synopsys	x	x
Huang	Xi	Huawei	x	x
Isono	Hideki	Fujitsu Optical Components	x	x
Issenhuth	Tom	Huawei	x	x
Jones	Peter	Cisco	x	
Kareti	Upen Reddy	Cisco	x	x
Klempa	Mike	UNH-IOL	x	x
Kochuparambil	Beth	Cisco	x	x
Kolesar	Paul	CommScope	x	x
LeCheminant	Greg	Keysight Technologies	x	
Li	Mike	Intel	x	x
Lim	Jane	Cisco	x	x
Liu	Hai-Feng	Intel	x	x
Liu	Zhenyu	Credo Semiconductor	x	x
Lusted	Kent	Intel	x	x
Malicoat	David	Senko	x	x
Matoglu	Erdem	Amphenol	x	x
McSorley	Greg	Amphenol	x	x
Mellitz	Richard	Samtec	x	x
Murray	Dale	Lightcounting	x	x
Nakamoto	Edward	Spirent Communications	x	x
Ninomiya	Takuya	Senko	x	
Nowell	Mark	Cisco	x	x
Ofelt	David	Juniper Networks	x	x
O'Neil	Adam	UNH-IOL	x	x
Palkert	Tom	Molex - MACOM	x	

Pham	Phong	US Conec	x	x
Piehler	David	Dell EMC	x	x
Rabinovich	Rick	IXIA	x	x
Sakai	Toshiaki	Socionext	x	x
Sekel	Steve	Keysight Technologies	x	x
Sisk	Jason	UNH-IOL		x
Slavick	Jeff	Broadcom Limited	x	x
Sone	Yoshiaki	NTT	x	x
Sprague	Ted	Infinera	x	x
Stassar	Peter	Huawei	x	x
Stone	Rob	Broadcom	x	x
Swanson	Steve	Corning	x	x
Szczepanek	Andre	HSZ Consulting	x	
Tailor	Bharat	Semtech Corp	x	
Takahara	Tomoo	Fujitsu Laboratories	x	x
Tamura	Kohichi	Oclaro	x	
Tooyserkani	Pirooz	Cisco	x	x
Tracy	Nathan	TE Connectivity	x	x
Traverso	Matt	Cisco	x	x
Trowbridge	Steve	Nokia	x	x
Wang	Hsiu-che	AOI	x	x
Wang	Tongtong	Huawei	x	x
Wang	Yi	AOI	x	
Welch	Brian	Luxtera	x	x
Wertheim	Oded	Mellanox		x
Young	Adrian	Leviton	x	x
Young	James	Commscope	x	x
Zhang	Kevin	IDT	x	x
Zhao	Wenyu	CAICT	x	x
Zivny	Pavel	Tektronix	x	x