Approved Minutes
IEEE P802.3by 25 Gb/s Ethernet Task Force
Interim Meeting
January 18-19, 2016
Atlanta, GA, USA
Prepared by Kent Lusted

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IEEE P802.3by 25 Gb/s Task Force Meeting – January 18, 2016:
Prepared by Kent Lusted

IEEE P802.3by 25 Gb/s Task Force meeting convened at 8:33 a.m., January 18, 2016, by Mark Nowell, IEEE P802.3by Task Force Chair.

Chair displayed the agenda slides:
http://www.ieee802.org/3/by/public/Jan16/agenda_3by_01_0116.pdf

Introductions were made.

Mark Nowell reviewed agenda in
http://www.ieee802.org/3/by/public/Jan16/agenda_3by_01_0116.pdf

Motion #1:
Move to approve the agenda:
 • Moved by: Mike Dudek
 • Second by: Brad Booth
 • Passed by voice without opposition

November 2015 plenary minutes were posted shortly after the meeting. No comments were received.

Motion #2:
Move to approve the November 2015 minutes:
 • Moved by: Mike Dudek
 • Second by: Adee Ran
 • 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. Please record attendance in the Task Force book and using the IEEE Attendance Tool.

Chair reviewed the IEEE structure.

Chair reviewed the Bylaws and Rules slides in --
http://www.ieee802.org/3/by/public/Jan16/agenda_3by_01_0116.pdf

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 and the progress of the Task Force to date.

Reviewed P802.3by sponsor ballot activity since the November 2015 plenary.

Chair reviewed the goals beyond the meeting and the proposed meeting schedule. Chair announced a potential teleconference interim meeting in April 2016 to resolve comments against Draft 3.2; details will come later. Discussed the conditions to progress to IEEE-SA Standards Board approval.

Goals for the meeting:
- D3.0 Comment review and resolution
- Adopt closed comments and generate D3.1
- Motions

Chair reviewed the tentative meeting schedule.

Chair noted that there was a late submission from Yasuo Hidaka with an alternate proposed remedy to comment i-31. Yasuo summarized his proposal. Chair asked the Task Force for input on how to proceed. The Task Force discussed whether to consider the late submission. Chair asked if there was opposition to hearing the late presentation. No one raised any opposition.

Future Meetings:
- March 2016 Plenary
    - Week of March 13th, 2016 – Macau, China
- Potential Additional interim – April 20, 2016 via teleconference
- May 2016 interim
    - Week of May 23, 2016 – Whistler, BC, Canada
- July 2016 Plenary
    - Week of July 24, 2016 – San Diego, CA

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

25 Gb/s Arch Ad Hoc Report:
By: Matt Brown
See: http://www.ieee802.org/3/by/public/Jan16/brown_3by_02_0116.pdf
  •   Presentation was reviewed

Chief Editor's Report:
By: Matt Brown
See: http://www.ieee802.org/3/by/public/Jan16/brown_3by_01_0116.pdf
  •   Matt thanked Arthur Marris, Adee Ran, Chris Diminico, and Jonathan King for their hard work on the drafts. He also thanked Jeff Slavick and Adam Healey for their review of comment implementation in the draft.
  •   Chair also thanked the editorial team for their work on the drafts.
  •   Matt reviewed the comment distribution on Draft 3.0
  •   Chair reviewed the steps to change your vote in Sponsor Ballot. The voter must change the vote in the MyBallot tool.

Matt Brown displayed the comments deemed non-controversial and "bucket" worthy. (See http://www.ieee802.org/3/by/public/Jan16/p802.3by_d3p0_responses_bucket_final.pdf   )   Please contact the Chief Editor to have a comment pulled from the list and considered in the Task Force meeting.

Comment resolution began at approximately 9:20 a.m.

Break at 10:00 a.m. Resumed at 10:25 a.m.

A set of four presentations relating to comment i-31. Chair asked the presenters to keep their presentations to 10 minutes. Chair asked participants to limit questions to clarifications and hold debate to the discussion time that will follow the presentations.

Presentation #1:
"Comment i-31: Single PMD w/ optional RS-FEC", Yasuo Hidaka
See: http://www.ieee802.org/3/by/public/Jan16/hidaka_3by_01_0116.pdf

Chair noted that the next presentation by Yasuo Hidaka is an alternate proposal for comment i-31. It was a late presentation. It was questioned if the Task Force had agreed to hear the presentation. Chair noted that the request was made earlier and there was no objection.

Presentation #2:
"Single PMD for Two PHYs – Alternative Solution for i-31", Yasuo Hidaka
See: http://www.ieee802.org/3/by/public/Jan16/hidaka_3by_02_0116.pdf
  •   Clarifying questions were asked and answered
  •   Questions were asked about the improvement of the proposal over the current draft.
  •   There was a question about the changes necessary to implement in the draft.
  •   The presenter summarized that the desired outcome is to change Table 105-2.

Presentation #3:
"Considerations for P802.3by Sponsor ballot open issues", Upen Reddy on behalf of Joel Goergen
See: http://www.ieee802.org/3/by/public/Jan16/goergen_3by_01a_0116.pdf
- Chair asked the presenter to show only the material related to the PHY designation (comment i-31), starting on slide 10. The presenter agreed.

Presentation #4:
"Single vs. Dual PHY discussion for 25G-BASE-CR", Rob Stone
See: http://www.ieee802.org/3/by/public/Jan16/stone_3by_01b_0116.pdf
- Updated presentation '01b' with additional supporters.
- Matt Brown extended his support to the presentation.
- Matt Brown noted that the upper table on slide 6 could be useful in the draft.
- Gary Nicholl extended his support to the presentation.

Chair opened the floor for discussion on how to respond to comment i-31. Chair intends to have a straw poll to measure consensus. Chair asked Yasuo Hidaka to consider which of his proposals he would like to straw poll.

Much discussion on the PHY designation.

Straw Poll #1: 11:24 a.m.
I support the proposal in hidaka_3by_01_0116.pdf or hidaka_3by_02_0116.pdf to address comment i-31
- Yes: 1
- No: 28
- Abstain: 7

Matt Brown noted that there is consensus to reject the changes proposed by Yasuo Hidaka. He would like to defer resolution of comment i-31 in order to prepare an appropriate response to the comment.

Yasuo Hidaka asked the Task Force to consider the proposed change to page 55, Line 7 in Hidaka_02. Chair summarized that there is no support for the proposals as shown in the Straw Poll #1. Chair asked Yasuo Hidaka to work with the editors on the proposed response to comment i-31.

Matt Brown summarized the comments related to the CA-25G-N/S/L cable type designations. Chair summarized the straw poll results taken at the October 2015 interim meeting. The commenters provided a brief overview of comments i-59, i-84, i-86. Upen Reddy reviewed the material related to the cable type designations in
http://www.ieee802.org/3/by/public/Jan16/goergen_3by_01a_0116.pdf

Presentation #5:
"Considerations for P802.3by Sponsor ballot open issues", Upen Reddy on behalf of Joel Goergen
See: http://www.ieee802.org/3/by/public/Jan16/goergen_3by_01a_0116.pdf
- Chair asked the presenter to show only the material related to the cable type designation. Presenter agreed.
- Adee Ran extended his support to the presentation.

Straw poll #2: 11:55 a.m.
I would support:
- – A. Leave CA-25G-S specification as is.
- – B. modify CA-25G-S specifications per comment i-59 suggested remedy.
- – C. Change CA-25G-S cable type to informative specification per comment i-84 suggested remedy.
- – D. Eliminate CA-25G-S cable type completely.
- Chicago rules.
- A: 28   B: 14   C: 2   D: 1

Break for lunch at 12:01 p.m. Resume at 1:15 p.m.

Comment resolution resumes.

Straw Poll #3: 2:06 p.m.
I support changing "assemblies longer than indicated" to "assemblies shorter or longer than indicated"
- Yes: 5
- No: 4
- Abstain: 15

Comment #i-85 was withdrawn by Piers Dawe.

There was a request to remove #i-68 from the bucket. It was resolved by the Task Force.

Presentation #6:
"Consensus proposal for RITT changes in clauses 110 and 111", Adee Ran
See: http://www.ieee802.org/3/by/public/Jan16/ran_03by_01a_0116.pdf

Break at 3:05 p.m. Resume at 3:31 p.m.

Continued the review of presentation #6. Debated and discussed many aspects of the content of Presentation #6. It was agreed that Adee Ran would prepare an updated ran_03by_01b_0116 with the feedback of the participants in the room. Chair summarized that ran_03by_01b will be considered the consensus of the Task Force to resolve the RITT related comments. Chair asked if there was any objection to that approach. No one responded.

Matt Brown reminded participants that the comments deemed non-controversial and "bucket" worthy are posted on the website. (See http://www.ieee802.org/3/by/public/Jan16/p802.3by_d3p0_responses_bucket_final.pdf) Please contact the Chief Editor to have a comment pulled from the list and considered in the Task Force meeting. The proposed responses to the bucket worthy will be adopted in motion during closing business.

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

Matt Brown outlined the items remaining to be resolved in the ran_3by_01b presentation.

Chair announced a start time of 8:00 a.m.

Break for the day at 6:06 p.m.

IEEE P802.3by 25 Gb/s Task Force Meeting – January 19, 2016:
Prepared by Kent Lusted

IEEE P802.3by 25 Gb/s Task Force meeting convened at 8:03 a.m., January 19, 2016, by Mark Nowell, IEEE P802.3by Task Force Chair.

Patent policy: Chair displayed the patent policy related slides in the agenda (http://www.ieee802.org/3/by/public/Jan16/agenda_3by_01_0116.pdf) . Chair asked if anyone is unfamiliar with the IEEE patent policy. No one responded. Chair called for potentially essential patents. No one responded.

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

Matt Brown outlined the plan for the day to resolve comments: hear the ran_3by_01b_0116 presentation and update proposed comment responses then close comments.

Chair noted the conflict with P802.3bs comment resolution and dependency on P802.3by participants.

Comment resolution continued.

Presentation #7:
"Revised rise-time filter for COM interference tolerance calibration", Mike Dudek
See: http://www.ieee802.org/3/by/public/Jan16/dudek_3by_02_0116.pdf
  • Clarifying questions were asked and answered

Break at 10:00 a.m. Resume at 10:20 a.m.

Continued comment resolution.

Break for lunch at 12:05 p.m. Resume at 12:45 p.m.

Matt Brown reminded participants that the comments deemed non-controversial and "bucket" worthy are posted on the website. (See http://www.ieee802.org/3/by/public/Jan16/p802.3by_d3p0_responses_bucket_final.pdf) Please contact the Chief Editor to have a comment pulled from the list and considered in the Task Force meeting. The proposed responses to the bucket worthy will be adopted in motion during closing business.

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

Rich Mellitz withdrew comment i-43.

Presentation #8:
"Re-evaluation of Tx Specifications and COM", Mike Dudek
See: http://www.ieee802.org/3/by/public/Jan16/dudek_3by_01_0116.pdf
- Clarifying questions were asked and answered

For comment i-55 and i-60, Chair asked for a show of hands to accept the proposed change in dudek_3by_01 slide 11, bullet 3 "changing Pmax/Vf from 0.71 to 0.78 at TP0a and from 0.45 to 0.49 at TP2". Two people indicated.

For comment i-55 and i-60, Chair asked for a show of hands to reject the comments now and deal with it on recirculation. Chair approximated that 2/3 of the room indicated.

Mike Dudek withdrew comments i-64 and i-65.

Break at 3:30 p.m. Resume at 3:55 p.m.

Matt Brown thanked Adee Ran for his hard work to create the consensus presentations and develop the proposed responses to the Clause 110 and Clause 111 comments.

Chair asked if there were any more comments to pull from the bucket. No one responded.

Motion #3: 4:29 p.m.
Move to:
- – Accept the proposed responses to comments listed in p802.3by_d3p0_responses_bucket_final.pdf
- – Generate Draft 3.1 for Sponsor Ballot recirculation from Draft 3.0 and the closed comments
- Moved by: Matt Brown
- Second by: Chris Diminico
- Passes by voice without opposition

Chair outlined the next steps for the Task Force.

Chair noted that there is a potential out of cycle interim on April 20, 2016. Details will be announced over the reflector.

Motion #4:
Move to Adjourn:
- Moved by: Adee Ran
- Second by: Brad Booth
- Passed by voice vote without opposition

Meeting ended at 4:33 p.m.

Attendees

Last Name	First Name	Affiliation	Monday	Tuesday
Baden	Eric	Broadcom	x	
Bains	Amrik	Cisco		x
Ben-Artsi	Liav	Marvell Semiconductor	x	x
Booth	Brad	Microsoft	x	x
Brown	Matt	Applied Micro	x	x
Butter	Adrian	Global Foundries	x	
Dawe	Piers	Mellanox	x	x
Dillow	Daniel	FCI	x	x
DiMinico	Christopher	MC Communications/Panduit	x	x
Dudek	Mike	QLogic	x	x
Estes	Dave	Spirent Communications	x	x
Healey	Adam	Avago Technologies	x	
Hidaka	Yasuo	Fujitsu Laboratories of America	x	x
Horner	Rita	Synopsys	x	x
Irwin	Scott	MoSys Inc.	x	
Jones	Peter	Cisco	x	
Kareti	Upen Reddy	Cisco	x	x
Kimber	Mark	Semtech	x	
King	Jonathan	Finisar Corp.		x
Law	David	HPE		x
Lewis	Jon	Dell	x	x
Li	Shaohua	Brocade	x	x
Lim	Jane	Cisco	x	
Lusted	Kent	Intel	x	x
Malicoat	David	HP	x	x
Marris	Arthur	Cadence	x	x
McDonough	John	NEC America	x	
Mellitz	Richard	Intel	x	x
Nowell	Mark	Cisco	x	x
Palkert	Tom	Luxtera - Molex - MoSys	x	x
Rabinovich	Rick	IXIA	x	x
Ram	Aaron	Samtec	x	
Ran	Adee	Intel	x	x
Roth	Christopher	Molex	x	x
Slavick	Jeff	Avago Technologies	x	
Sommers	Scott	Molex	x	x
Stone	Rob	Broadcom	x	x
Svendsen	Justin	CIT	x	
Tlalka	Marek	Macom	x	x
Tooyserkani	Pirooz	Cisco	x	
Walker	Clint	Intel		x
Wang	Roy	HP	x	

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Last Name	First Name	Affiliation	Monday	Tuesday
Wang	Weyl	Accelink Technologies	x	
Xu	Qing	Belden	x	
Zambell	Andrew	FCI	x	x