

Unconfirmed Meeting Minutes: IEEE P802.3bz 2.5G/5GBASE-T Task Force
September 15, 2015
Bonita Springs, FL

Prepared by Jon Lewis

IEEE P802.3bz 2.5G/5GBASE-T Task Force meeting convened at 2:17PM, Tuesday, September 15, 2015 by David Chalupsky, Task Force Chair.

Attendance is listed in Appendix A

ADMINISTRATIVE MATTERS

Presentation: [agenda_3bz_01a_0915.pdf](#)

Presenter: Dave Chalupsky, Chair.

The Chair called for introductions and affiliations, the participants introduced themselves, and the Chair then proceeded with the agenda.

The Chair reviewed the agenda. Mr. Chalupsky turned to presentation [agenda_3bz_01a_0915.pdf](#) and reviewed the schedule of presentations for the meeting.

Motion #1: Approve the agenda from [agenda_3bz_01a_0915.pdf](#)

M: Pete Cibula **S:** Jon Lewis

Approved by voice vote without objection (Procedural > 50%) at 2:28pm

Motion #2: Approve the minutes from the July 2015 P802.3bz meeting.

M: Jon Lewis **S:** Clark Carty

Approved by voice vote without objection (Procedural > 50%) at 2:29pm

The Chair then resumed the review of the agenda presentation:

- Mr. Chalupsky asked if anyone was attending from the press including those who would run a public blog on this meeting – there were no indications from the group.
- Mr. Chalupsky noted that there should be no recording or photography without permission.

Mr. Chalupsky reviewed the goals for the meeting, access to the reflector and website, and ground rules.

Mr. Chalupsky then continued review of the presentation, including the objectives for the projects and Big Ticket items for this week.

Attendance, Mr. Chalupsky advised the group of the IEEE meeting attendance tool and procedures, including both the attendance book and the web attendance tracking tool.

IEEE Patent Policy, at **2:40 PM**, Mr. Chalupsky showed slides 0 through 4 patent policy from [agenda_3bz_01a_0915.pdf](#). Mr. Chalupsky showed slide 0 and read aloud slides 1 through 4. Mr. Chalupsky made the call for potentially essential patents at **2:41 PM**, and none responded. Mr. Chalupsky then completed the reading of slide #4.

LIAISONS

The Chair moved to liaisons, and noted the Task Force had received two liaisons for 802.3bz:

TIA draft 0.1d of TSB-5021, Guidelines for the Assessment and Mitigation of Installed Cabling to support 2.5GBASE-T and 5GBASE-T, to be published as TIA TSB-5021

- Liaison letter http://www.ieee802.org/3/bz/public/sep15/TR42-2015-10-116_Outgoing_Liaison_to_IEEE_802.3bz_re_TSB-5021_Draft%200.1d.pdf
- Draft in the private area.

TIA liaison officer suggested that an informal response should be sent.

Liaison to IEEE 802.3bz on 2,5/5GBASE-T, Subject: Cabling to Support 2.5/5GBASE-T

- [ISO/IEC JTC1 SC25 to IEEE 802.3 on 2.5GBASE-T and 5GBASE-T](#)

ISO/IEC liaison suggested that an informal response would be appropriate.

The Chair completed review of the presentation noting the project objectives were unchanged from the prior meeting.

PRESENTATIONS

The Chair then moved to the presentations for the meeting.

Title: Architecture ad hoc report ([jones_3bz_01_0915.pdf](#))

Presenter: David Chalupsky, Intel for Peter Jones, Cisco Systems

Abstract: Review status of 802.3bz Architecture Ad Hoc including

- Charter, scope/deliverables, location
- Activity since Waikoloa, HI
- Further work

Discussion:

- No comments.

Title: ENUCA ad hoc report ([feyh_3bz_01_0915.pdf](#))

Presenter: German Feyh, Broadcom Corp.

Abstract: The presenter described the status of the Enterprise Noise and Use Case Analysis Ad Hoc (ENUCA).

- Charter, scope/deliverables, location
- Activity since Waikoloa, HI
- Further work

Discussion:

- No Comments.

Meeting recessed for a break at 2:54PM.

Meeting resumed at 3:21PM

The Chair asked if new attendees had joined the meeting. Seeing some, introductions for new attendees were made.

Title: Use Case ad hoc report (verbal)

Presenter: Chris Diminico, MC Communications/Panduit

Abstract: The ad hoc has been waiting for the alien crosstalk limited signal-to-noise ratio as a criteria to process the use case measurements. The group will convene in two weeks to restart the effort with utilization of alien crosstalk criteria.

Discussion: No Discussion.

Title: *802.3bz Draft Comment # 132 Alien Limited Crosstalk limited Signal-to-noise Ratio* ([diminico_3bz_01_0915.pdf](#))

Presenter: Chris Diminico, MC Communications/Panduit

Abstract: Detailed Draft response to Comment #132.

Discussion: No Discussion.

Title: 802.3bz Editor's Report ([zimmerman_3bz_01_0915.pdf](#))

Abstract: The editor reported on the status and comments received of the draft 1.0, along with a proposed agenda for comment resolution.

Presenter: George Zimmerman, CME Consulting / Aquantia & Commscope, Chief Editor IEEE 802.3bz

Discussion:

The Chief Editor presented his report, including the present status of the draft, a summary of comments received against D 1.0.

Mr. Zimmerman presented the Proposed Comment Resolution Agenda and asked the group if there were objections or modifications to the agenda. None heard.

The Editor outlined the comments by topic, and reminded participants that the comments had been posted by topic on the website, with the Editor reminding the group via reflector to review the EZ bucket, as this group was intended to be approved by a single motion.

The editor then asked the group if anyone wished to view the EZ bucket comments on the screen; no request was made and the comments were not displayed. The Editor then asked the group that if anyone wished to remove a comment from the EZ bucket, then do so now. No comments were requested to be removed from the EZ bucket.

The Editor reviewed a summary of the remaining topics and the comment resolution agenda.

The Editor then presented the following motion:

Motion #3: Approve the proposed resolution of all EZ comments, marked with the EZ Topic in http://www.ieee802.org/3/bz/comments/EZ_Committee_report_Clause_3bz_d1p0_proposed.pdf excepting none

M: George Zimmerman S: Jon Lewis
Approved by voice vote without objection (Technical > 75%) at 3:54PM

At this time, the editor's report was concluded and comment resolution began.

COMMENT RESOLUTION

Decisions during comment resolution were made by consensus, except where noted that motions were taken.

The Meeting was recessed at 5:51PM to resume at 9:00AM Wednesday, September 16, 2015.

The Meeting resumed at 9:10AM Wednesday, September 16, 2015.

The Chair reviewed the agenda. Mr. Chalupsky turned to presentation [agenda_3bz_01a_0915.pdf](#) and reviewed the schedule for the meeting.

Mr. Chalupsky reviewed the goals for the meeting, access to the reflector and website, and ground rules.

Mr. Chalupsky then continued review of the presentation, including the objectives for the projects and Big Ticket items for this.

Attendance, Mr. Chalupsky advised the group of the IEEE meeting attendance tool and procedures, including both the attendance book and the web attendance tracking tool.

IEEE Patent Policy, at **9:13 AM**, Mr. Chalupsky inquired if there was anyone in the room that was unfamiliar with the IEEE patent from [agenda_3bz_01a_0915.pdf](#), none responded. Mr. Chalupsky made the call for potentially essential patents at **9:13 AM**, and none responded. Mr. Chalupsky then completed the reading of slide #4.

Meeting recessed for a short break at 10:38AM.

Meeting resumed at 11:07AM

Motion #4: Reject Comment 213, leave the text as is in the specification.

M: Chris Diminico S: Jon Lewis

(Technical >= 75%)

MOTION WITHDRAWN at 11:25AM

Straw Poll #1: I support rejecting the comment and leaving the text as is in the specification.

Y: 17 N: 3 A: 3

Motion #5: Reject Comment 213, leave the text as is in the specification.

M: Chris Diminico S: Jon Lewis

(Technical >= 75%)

Y: 20 N: 2 A: 5

MOTION PASSES at 11:36AM

Title: Salz SNR Text and Procedure ([zimmerman_3bz_02a_0915.pdf](#))

Presenter: George Zimmerman, CME Consulting, Commscope, Aquantia

Abstract:

Discussion: No Discussion.

Title: 1000BASE-T Transmitter PSDs and 2.5/5G Salz SNR

([Cibula_3bz_01a_0915.pdf](#))

Presenter: Pete Cibula, Intel

Abstract: Measurement data in support of a 1st-order filter model.

Discussion: No Discussion.

Title: Salz SNR calculation for 2.5G and 5GBASE-T over unequal-length channels of Cat5e/6 cabling with various bundling distances ([Mei_3bz_01_0915.pdf](#))

Presenter: Bryan Moffitt, Commscope for Richard Mei, Commscope

Abstract: Presentation provides data from the continued study of 5e/6 channels with unequal length and their Salz SNR.

Discussion: No Discussion.

Comment Resolution concluded at 12:06PM

Motion #6: Instruct the editor to create D1.1 for Task Force review from D1.0 and closed comments.

M: George Zimmerman S: Jon Lewis

(Technical >= 75%)

Y: 26 N: 0 A: 0

MOTION PASSES at 12:21PM

Having completed the presentations and comment resolution business for the meeting, the Chair discussed potential P802.3bz schedule options.

Motion #7: Adopt project timeline in [chalupsky_3bz_01_0915.pdf](#) giving editorial license to the TF chair to beautify.

M: George Zimmerman S: Jon Lewis
(Technical >= 75%)
Y: 26 N: 0 A: 0
MOTION PASSES at 12:36PM

The Task Force reviewed the proposed response to TIA Liaison Letter.

Motion #8: Adopt the text in draft_informal_communication_802.3bz_to_tia_tr42_a.pdf as an informal communications from IEEE P802.3bz to TIA TR42 and instruct the TF chair to send the letter.

M: Jon Lewis S: Pete Cibula
(Procedural > 50%)
MOTION PASSES by voice without objection at 12:49PM

The Task Force reviewed the proposed response to ISO/IEC Liaison Letter.

Motion #9: Adopt the text in draft_informal_communication_802.3bz_to_iso-iec_sc25_wg3_a.pdf as an informal communication from IEEE P802.3bz to ISO IEC SC25 WG3 and instruct the TF chair to send the letter.

M: Jon Lewis S: Pete Cibula
(Procedural > 50%)
MOTION PASSES by voice without objection at 12:50PM

The Chair reviewed future meeting plans.

No further motions of business were offered.

Adjournment

Motion #10: To adjourn the meeting.

M: Jon Lewis S: Clark Carty
MOTION PASSES by voice without opposition

The Meeting was adjourned at 12:53PM, Wednesday, Sept 16, 2015.

Appendix A: Attendees at the IEEE P802.3bz Task Force Meeting, SEPT 15-16, 2015

Total attended:	45		Daily # attended:	45	29
P802.3bz September'15				9/15/15	9/16/15
Last Name	First Name	Employer	Affiliation	Tuesday	Wednesday
Abughazaleh	Shadi	Hubbell	Hubbell	X	X
Aekins	Rob	Legrand	Legrand	X	
Bains	Amrik	Cisco	Cisco	X	X
Berglund	Victor	Microsemi	Microsemi	X	X
Brown	Alan	Commscope	Commscope	X	
Calbone	Anthony	Seagate	Seagate	X	
Carty	Clark	Cisco	Cisco	X	X
Chalupsky	David	Intel	Intel	X	X
Chang	Jacky	HP	HP	X	
Chuang	Keng Hua	HP	HP	X	X
Cibula	Pete	Intel	Intel	X	X
DiMinico	Christopher	MC Communications	Panduit	X	X
Donahue	Curtis	UNH - IOL	UNH - IOL	X	
Estes	Dave	Spirent	Spirent	X	X
Farjad	Ramin	Aquantia	Aquantia	X	X
Feyh	German	Broadcom	Broadcom	X	X
Flatman	Alan	LAN Technologies	LAN Technologies	X	X
Hajduczenia	Marek	Bright House Networks	Bright House Networks	X	
Hormmeyer	Bernd	Phoenix Contact	Phoenix Contact	X	
Klaus	Andrew	Marvell	Marvell/Jaspar	X	
Klempa	Mike	UNH-IOL	UNH-IOL	X	X
Lane	Brett	Panduit	Panduit	X	
Lewis	Jon	Dell	Dell	X	X
Lo	William	Marvell	Marvell	X	
Maguire	Valerie	Siemon	Siemon	X	X
McClellan	Brett	Marvell	Marvell	X	
Moffitt	Bryan	Commscope	Commscope	X	X
Nakamoto	Edward	Spirent	Spirent	X	X
Nikolich	Paul	Self	802 Chair	X	
Nordin	Ron	Panduit Corp.	Panduit Corp.	X	X
Regev	Alon	Ixia	Ixia	X	
Renteria	Victor	Belfuse Inc	Belfuse Inc	X	X
Sedarat	Hossein	Aquantia	Aquantia	X	X
Shariff	Masood	Commscope	Commscope	X	X
Shirani	Ramin	Aquantia	Aquantia	X	X
Skaar	Tom	Seagate	Seagate	X	

Souvignier	Tom	Broadcom	Broadcom	X	X
Sparrowhawk	Bryan	Leviton	Leviton	X	X
Vaden	Sterling	Surtec, Ind.	Vaden Enterprises	X	
Valle	Stefano	ST Microelectronics	ST Microelectronics	X	
Vanderlaan	Paul	Berk-Tek LLC	Berk-Tek LLC	X	X
Wang	Roy	Hewlett-Packard	Hewlett-Packard	X	X
Wang	Hai Fei	Huawei	Huawei	X	X
Wu	Peter	Marvell	Marvell	X	X
Zimmerman	George	CME	Commscope, Aquantia	X	X