

Unconfirmed Meeting Minutes: IEEE P802.3bz 2.5G/5GBASE-T Task Force
November 10-11, 2015
Dallas, TX

Prepared by Jon Lewis

IEEE P802.3bz 2.5G/5GBASE-T Task Force meeting convened at 1:32PM, Tuesday, November 10, 2015 by George Zimmerman, Chief Editor on behalf of David Chalupsky, Chair P802.3bz.

Attendance is listed in Appendix A

ADMINISTRATIVE MATTERS

Presentation: [agenda 3bz 01 1115.pdf](#)

Presenter: George Zimmerman, Chief Editor.

Mr. Zimmerman called for introductions and affiliations, the participants introduced themselves, and Mr. Zimmerman then proceeded with the agenda.

Mr. Zimmerman turned to presentation [agenda 3bz 01 1115.pdf](#) and reviewed the schedule for the meeting.

Motion #1: Approve the agenda from [agenda 3bz 01 1115.pdf](#)

M: Jon Lewis S: Chris Diminico
Approved by voice vote without objection (Procedural > 50%)

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

M: Jon Lewis S: Brett McClellan
Approved by voice vote without objection (Procedural > 50%)

Mr. Zimmerman then resumed the review of the agenda presentation:

- Mr. Zimmerman asked if anyone was attending from the press including those who would run a public blog on this meeting.
 - None responded.
- Mr. Zimmerman noted that there should be no recording or photography without permission.

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

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

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

Mr. Chalupsky returned to the meeting and resumed his role as Chair.

IEEE Patent Policy, at **1:40 PM**, Mr. Chalupsky asked if anyone was unfamiliar with the IEEE patent policy, none responded. Mr. Chalupsky made the call for potentially essential patents at **1:46 PM**, and none responded. Mr. Zimmerman then completed the reading of slide #4.

LIAISONS

The Chair moved to liaisons, and noted the Task Force had received no new liaisons for 802.3bz:

Mr. Chalupsky then 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 1115.pdf](#))

Presenter: Peter Jones, Cisco Systems

Abstract: Review status of 802.3bz Architecture Ad Hoc including

- Charter, scope/deliverables, location
- Activity since Bonita Springs, FL

Discussion:

- Future meetings will be entertained at a weeks' notice which includes having the presentation sent to the ad-hoc chair.

Title: 802.3bz Editor's Report ([zimmerman 3bz 01 1115.pdf](#))

Abstract: The editor reported on the status and comments received of the draft 1.1, 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 D1.1.

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_d1p1_proposed.pdf excepting none.

M: George Zimmerman **S:** Jon Lewis
Approved by voice vote without objection (Technical >= 75%)

Secretary's Note: The URL in Motion #3 and in the Chief Editor's Report was incorrect. The correct URL for the proposed resolution of all EZ comments is:

http://www.ieee802.org/3/bz/comments/EZ_clause_802d3bz_d1p1_proposed.pdf

Two late comments were allowed to be included in the comment resolution.

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 for a short break at 3:19 PM

The meeting resumed at 3:38 PM

The Task Force then heard presentations related to comment resolution.

Title: Transmit Jitter Requirements for 5GBASE-T and 2.5GBASE-T
([Sedarat_3bz_01_1115.pdf](#))

Presenter: Hossein Sedarat, Aquantia

Abstract: This is to justify the proposed jitter limits for test modes 2 and 3 related to comment #10.

The Meeting was recessed at 5:25 PM to resume at 9:00 AM Wednesday, November 11, 2015.

The Meeting resumed at 9:12AM Wednesday, November 11, 2015.

The Chair reviewed the agenda. Mr. Chalupsky turned to presentation [agenda_3bz_01_1115.pdf](#) and asked if there was anyone new in the room today, none responded.

IEEE Patent Policy, at **9:13 AM**, Mr. Chalupsky inquired if there was anyone in the room that was unfamiliar with the IEEE patent policy from [agenda 3bz 01 1115.pdf](#), none responded.

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.

The Task Force then heard presentations related to comment resolution.

Title: 2.5G/5.0G Transmit Linearity Test with Link-Partner Signal as Disturber ([Farjadrad 3bz 01a 1115.pdf](#))

Presenter: Ramin Farjadrad, Aquantia

Abstract: Presentation related to Editor's Note concerning Transmit Linearity Test (related to Comment # 172)

Title: Frame Error Ratio (FER) for BASE-T ([Estes 3bz 01 1115.pdf](#))

Presenter: Dave Estes, Spirent

Abstract: Related to Comment #17.

Comment Resolution concluded at 10:42AM

Motion #4: Instruct the editor to create D1.2 for Task Force review from D1.1 and closed comments.

M: Jon Lewis S: Amrik Bains

(Technical >= 75%)

Y: 31 N: 0 A: 0

MOTION PASSES

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

The Chair emphasized that moving forward with the draft involved resolving all "TBD" items in the document. As a result, the Editor then reviewed outstanding TBDs and Straw polls and motions were taken to resolve the remaining TBD items.

STRAW POLL #1:

I would support removal of the background noise term in equation 126-36 and on lines 31 and 48 of page 176 of 802.3 bz draft 1.1.

Y: 17 N: 3 I Don't Know: 5 I Don't Care: 2

Motion #5: Remove the background noise term in Equation 126-36 and on lines 31 and 48 of page 176 of 802.3 bz draft 1.1.

M: George Zimmerman S: Jon Lewis

(Technical >= 75%)

Y: 20 N: 4 A: 7

MOTION PASSES

Motion #6: Remove the (TBD) associated with SNR_linkreq on page 177 line 22 of 802.3bz draft 1.1

M: George Zimmerman **S:** Shadi AbuGhazaleh
(Technical \geq 75%)

Y: 26 **N:** 0 **A:** 5

MOTION PASSES

Motion #7: Adopt IEEE P802.3bz proposed schedule as shown in chalupsky_3bz_01_1115.pdf, noting that completion of referenced cabling standards is a risk item to this schedule.

M: George Zimmerman **S:** Masood Shariff
(Procedural $>$ 50%)

Y: 32 **N:** 0 **A:** 0

MOTION PASSES

The Chair reviewed future meetings from [agenda_3bz_01_1115.pdf](#).

Adjournment

Motion #8: To adjourn the meeting.

M: Shadi AbuGhazaleh **S:** Theo Brillhart

MOTION PASSES by voice without opposition

The Meeting was adjourned at 12:33PM, Wednesday, November 11, 2015.

Appendix A: Attendees at the IEEE P802.3bz Task Force Meeting, NOV 10-11, 2015

P802.3bq & P802.3bz November'15				11/10/15	11/11/15
Last Name	First Name	Employer	Affiliation	Tuesday	Wednesday
AbuGhazaleh	Shadi	Hubbell	Hubbell	X	X
Aekins	Rob	Legrand	Legrand	X	X
Amason	Dale	Freescale	Freescale	X	X
Bains	Amrik	Cisco	Cisco	X	X
Berglund	Victor	Microsemi	Microsemi	X	
Brillhart	Theo	Fluke Electronics	Fluke Electronics	X	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
Dessalegn	Yehuala	Addis Ababa University	Addis Ababa University		X
DiMinico	Christopher	MC Communications	Panduit	X	X
Estes	Dave	Spirent	Spirent	X	X
Farjad	Ramin	Aquantia	Aquantia	X	X
Feyh	German	Broadcom	Broadcom	X	X
Hamidy	Farid	Pulse	Pulse	X	X
Hammond	Bernard	TE Connectivity	TE Connectivity	X	X
Hess	Dave	Cord Data	Cord Data	X	X
Jimenez	Andrew	Anixter Inc.	Anixter Inc.	X	X
Jones	Peter	Cisco	Cisco	X	X
Kawatsu	Yasuaki	Hitachi-Cable	Hitachi-Cable	X	
Klempa	Mike	UNH-IOL	UNH-IOL	X	X
Lackner	Hans	QoSCom Gmbh	QoSCom Gmbh	X	
Lewis	Jon	Dell	Dell	X	X
Lo	William	Marvell	Marvell	X	
Maguire	Valerie	Siemon	Siemon	X	X
McClellan	Brett	Marvell	Marvell	X	X
Moffitt	Bryan	Commscope	Commscope	X	X
Nordin	Ron	Panduit Corp.	Panduit Corp.	X	X
Poulsen	Jeffrey	Leviton	Leviton	X	X
Renteria	Victor	Belfuse Inc	Belfuse Inc	X	X
Schicketanz	Dieter	Consultant	Reutlingen University	X	X
Sedarat	Hossein	Aquantia	Aquantia	X	X
Shariff	Masood	Commscope	Commscope	X	X
Shirani	Ramin	Aquantia	Aquantia	X	X
Souvignier	Tom	Broadcom	Broadcom	X	X
Thompson	Geoff	Independent	Independent		X

P802.3bq & P802.3bz November'15				11/10/15	11/11/15
Last Name	First Name	Employer	Affiliation	Tuesday	Wednesday
Vaden	Sterling	Surtec, Ind.	Vaden Enterprises	X	X
Vanderlaan	Paul	Berk-Tek LLC	Berk-Tek LLC	X	X
Wang	Xiaofeng	Qualcomm	Qualcomm	X	
Wu	Peter	Marvell	Marvell	X	X
Yang	Miji	Realtek	Realtek	X	X
Yu	Jerome	Realtek	Realtek	X	X
Zhang	Huan Lin	Applied Optoelectronics, Inc.	Applied Optoelectronics, Inc.	X	
Zimmerman	George	CME	Commscope, Aquantia	X	X