

Unapproved Minutes
IEEE 802.3ba Task Force Interim and Plenary Meeting
November 9-13, 2008
Dallas, TX

Prepared by: George Oulundsen

Interim meeting convened at 1:20 pm, Sunday, Nov. 9, 2008.

Agenda & General Information

By – John D'Ambrosia

See – agenda_01_1108.pdf

- Introductions – Everyone introduced themselves and stated their affiliation.
- Motion to approve the agenda
 - Motion moved to accept the agenda by Hugh Barrass, 2nd by Steve Trowbridge.
 - Meeting agenda was approved by voice vote without objection.
- Motion to approve the September Interim minutes
 - Motion moved to accept minutes by Pete Anslow, 2nd by Mark Gustlin, with following changes:
 - Affiliation for Dave DeAndrea should be Lightwire, not Finisar.
 - Correct spelling of Malaz Ahmad Kserawi
 - Top of Page 10 – Text should read “Review of draft 0.9 continued with clause 158”.
 - Page 10 – Correct date from Sept 17 to Sept 19 for meeting reconvening
 - September Interim Meeting Minutes were approved by voice vote without objection.
- Chair went through his introduction presentation “agenda_01_1108.pdf”
- Goals for the week
 - Progress Towards Generating Draft 1.1
 - Comment Resolution of Draft 1.0
 - Lay groundwork for the next meeting.
- Ground Rules
- Chair asked if there were any reporters in the room. No one responded. Chair reminded everyone that photographs are not allowed without permission.
- IEEE Structure, Bylaws & Rules
- IEEE Patent Policy
 - Chair read and presented the IEEE Patent Policy slide set
 - Chair advised the Task Force:
 - The IEEE’s patent policy is consistent with the ANSI patent policy and 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 encouraged;
 - There may be Essential Patent Claims of which the IEEE is not aware. Additionally, neither 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.

- The chair provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard. No one came forward.
- Inappropriate Topics for IEEE meetings read to the body by Chair.
- Presented Task Force Schedule and Timeline, and items to be addressed this week.
- Reviewed the work we need to do in the Task Force Review with the goal to get to WG ballot.
- Reviewed Meeting Map for the week.
- Discussed which sub-groups some of the topics should reside.
- Received two Liaisons:
 - Need to review ITU-T SG15 liaison.
 - Need to review ISO/IEC SC25 WG3 liaison. Chair assigned to Pete Anslow, Optics Sub-task force chair for the Optics Sub-task force to review.
- Meeting attendance
 - Must use the IEEE-SA Meeting Attendance Tool as it will be the basis of the official attendance record for this meeting
 - For attendance purposes, this Interim meeting is considered adjacent and co-located with the Plenary meeting, so it does not count towards voting rights. One must still attend the Plenary meetings to get Plenary attendance credit.
- Reviewed Voting Privileges
 - Attendance at interim and plenary meetings is important
 - Chair reminded everyone that they must vote on draft ballots to maintain their 802.3 voting rights.
- Chair reminded everyone to declare his or her affiliation.

Presentation #1

Title – Chief Editor's Report
By – Ilango Ganga, Intel
See – ganga_01_1108.pdf

Discussion

- Clarifying questions were asked and answered.

Presentation #2

Title – ITU-T SG15 Liaison
By – Pete Anslow, Nortel
See – 1108_ITU_SG15_to_802_3_LS02.pdf

Discussion

- Clarifying questions were asked and answered.
- Chair asked Steve Trowbridge to draft an informal response to the ITU-T SG15 to keep them updated of the latest Task Force working draft.

Presentation #3

Title – XLAUI / CAUI Ad Hoc Report
By – Ryan Latchman, Genum
See – latchman_01_1108.pdf

Discussion - none

Presentation #4

Title – 802.3ba XR Ad Hoc Status
By – John D'Ambrosia, Force 10 Networks on behalf of John Petrilla, Avago
See – petrilla_01_1108.pdf

Discussion

- Clarifying questions were asked and answered.

Break at 2:45 PM

Reconvened at 3:20 PM

After the break, Chief Editor, Ilango Ganga, led the Task Force in comment resolution.

Dinner break at 5:00 PM

After dinner break, Mark Gustlin chaired a Logic Sub-task Force meeting on comment resolution and Chris DiMinico and Pete Anslow led a joint meeting of the Copper and Optics Sub-task forces to address issues relevant to both sub-task forces.

Date: November 9, 2008

RE: Minutes of Logic Sub-task Force Meeting

Prepared by: Farhad Shafai

Meeting chaired by Mark Gustlin

Meeting convened at 6:30pm.

Chair appointed Farhad Shafai recording secretary.

Chair went over gustlin_01_1108.

Comment resolution.

It was proposed at 8pm to break for the night at 8:15pm, so that members of the logic sub task force to listen to presentations in the joint copper / optics subtask force meetings that would start around 8:15pm that were related to work within the logic sub-task force. There were no objections.

Logic Sub-task Force meeting broke for day at 8:15pm.

Date: November 9, 2008

RE: Minutes of Joint meeting of Copper and Optics Sub-task Forces

Prepared by George Oulundsen

Co-Chaired by Chris DiMinico and Pete Anslow

Reconvened at 6:20 PM

Presentation #5

Title – Refinement of xAUI Specifications

By – Ali Ghiasi, Broadcom

See – ghiasi_01_1108.pdf

Discussion

- Clarification questions were asked and answered.

Presentation #6

Title – Equalization and Jitter Transfer Function (JTF) Proposals for nAUI of IEEE 40G/100G Specification

By – Mike Li, Altera

See – li_01_1108.pdf

Discussion

- Clarification questions were asked and answered.

Presentation #7

Title – nAUI jitter transfer specs

By – Piers Dawe, Avago

See – dawe_03_1108.pdf

Discussion

- Clarifying questions were asked and answered.

Presentation #8

Title – Refinement of SR4/SR10 Specifications

By – Ali Ghiasi, Broadcom

See – ghiasi_03_1108.pdf

Discussion

- Clarifying questions were asked and answered.

Break at 8:20 PM

Reconvened at 8:30 PM

Presentation #9

Title – Auto-negotiation not needed for FEC or for front-panel ports

By – Piers Dawe, Avago

See – dawe_01_1108.pdf

Discussion

- Clarifying questions were asked and answered.

Presentation #10

Title – Partial FEC
By – Piers Dawe, Avago
See – dawe_02_1108.pdf

Discussion

- Clarifying questions were asked and answered.

Presentation #11

Title – BER objective for nAUI I/F
By – Mark Gustlin, Cisco
See – gustlin_02_1108.pdf

Discussion

- Clarifying questions were asked and answered.

Joint meeting of Copper and Optics Sub-task Forces break at 9:25 PM

Date: November 10, 2008

RE: Minutes of Copper Sub-task Force Meeting

Prepared by: Mike Dudek

Reconvene at 8:10 AM on Nov. 10

Copper sub-task force Chair, Chris Diminico, led the Copper Sub-task Force in addressing comments related to Annex 83A, XLAUI / CAUI. The chair opened the meeting at 8AM with a round of introductions.

The Patent Policy slides were reviewed. The chair provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard. No one came forward.

Mike Dudek was appointed the recording secretary for this meeting.

The task force was encouraged to develop consensus in off-line discussions rather than having lengthy debates in the main session.

Comment Review started at 8.15AM

Copper Sub-task Force broke for day at 11.10am

Date: November 10, 2008

RE: Minutes of Introductory Material and Management Clauses

Prepared by John D'Ambrosia

Meeting chaired by Ilango Ganga

Meeting convened at 7:10pm

John D'Ambrosia volunteered to be recording secretary.

The Patent Policy slides were reviewed. The chair provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard. No one came forward.

Comment review

Meeting break at 9:33pm
Meeting reconvened at 9:52pm

Comment review continued.

Meeting break for day at 11:03pm.

On November 11, 2008 the 802.3ba Task Force split into three sub-groups: the Optical sub-task force; the Copper sub-task force; and the Logic sub-task force. Each sub-task force Chair assigned a Secretary to record the minutes from the sub-task force activity. These minutes are included below.

Date: November 11, 2008
RE: Minutes of Logic Sub-Task Force Meeting
Prepared by Farhad Shafai

Meeting reconvened at 8:10am
Meeting chaired by Mark Gustlin
Recording secretary is Farhad Shafai

The Patent Policy slides were reviewed. The chair provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard. No one came forward.

Comment review

Meeting break at 9:45am
Meeting reconvened at 10:10am

Comment review

Comment 105 requested further clarification on how IPG can be deleted as part of the alignment marker insertion. As part of the discussion, presentation folkens_01_0508.pdf was referenced and reviewed as it provides detailed analysis on how IPG deletion impacts the system.

As part of discussion for comment 226, gustlin_03_1108.pdf was reviewed which is a new

proposal for how to implement the high BER SM.

Meeting break for lunch at 11:37am
Meeting reconvened at 1:08pm

Comment review

Meeting break at 2:45am
Meeting reconvened at 3:03pm

Comment review

John D'Ambrosia and David Law informed the chair that their presentation (dambrosia_01_1108) had been updated. The chair asked the sub-task force if there were any objections to hearing the update. There were none, so it was presented. The presentation will be uploaded after the meeting.

Logic Sub-task Force Meeting break for day at 5:32pm

Date: November 11, 2008
RE: Minutes of Optical track of Sub-task Force Meeting
Prepared by Mike Dudek

Pete Anslow, the chair of the meeting opened the meeting at 8:01AM with a round of introductions.

The Agenda was reviewed.

Mike Dudek was appointed recording secretary for the meeting on Tuesday.

The Patent Policy slides were reviewed. The chair provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard. No one came forward.

The chair announced that a late presentation related to comments on Maximum Tx Output Power had been received, "dudek_02-1108", and asked if there was any opposition to hearing the presentation. No opposition was expressed.

Alan Flatman presented a liaison report from ISO/IEC SC25 WG3 http://www.ieee802.org/3/minutes/nov08/1108_SC25_to_802_3_3N882A.pdf urging IEEE802.3 to continue exploring the feasibility of extended distance multimode alternatives (beyond the IEEE 802.3ba objective of 100m of OM3), as in their opinion, this would be a highly attractive solution for customers. After discussion it was decided that, as the next meeting of SC25/WG 3 is not until March 23rd to 27th 2009, it would be most helpful to draft a response with the most up to date information at the IEEE 802.3ba meeting March 8 -13 in Vancouver.

Comment resolution.

Break at approximately 10am
Reconvened at approximately at 10:20am

Comment resolution continued.

Lunch break at approximately noon
Reconvened at approximately 1:05pm

Comment resolution continued.

Break at approximately 3pm
Reconvened at approximately 3:20pm

Comment resolution continued.

The Optics Sub-task Force meeting broke for the day at 7.16PM

Date: November 11, 2008
RE: Minutes of Cu Sub-task Force Meeting
Prepared by David Chalupsky

Meeting called to order at 8:02am November 11, 2008, by Chris DiMinico, sub-task force Chair.

Opening Information: Chair went through his introductory presentation.
http://www.ieee802.org/3/ba/public/nov08/diminico_01_1108.pdf

Introductions – everyone introduced themselves and stated their affiliation
David Chalupsky was appointed recording secretary.
Chair reviewed the ground rules.
Chair displayed the Patent Policy and made a call for patents. No response to [call for patents](#).
Chair reviewed the agenda for the sub task force.

Comment resolution was initiated at 8:16am. Results are recorded in the comment database.
(Only comments which generated significant discussion are recorded in the minutes.)

8:18 John D'Ambrosia enters with the attendance book and gives reminder of the on-line attendance tool.

8:21am comment resolution continues

- Comment 566 generated significant discussion on Compliance Points.
 - Work on definition for transmit compliance point. It was proposed that Tx compliance point is spec'd at pins + short trace (~0.7dB) so that de-embedding is not necessary (ghiasi_01_1108.pdf). Request made to increase that to ~1.5dB, as 0.7dB would be difficult to meet on a board with many (~40) interfaces.

- **straw poll** passed to accept TBD instead of specific equation to Tx compliance point channel IL. Sub task force reaching agreement on the method, need to defer to specific loss numbers until further work performed.
 - Definition of Transmit and Receive compliance point accepted. Additional work needed to resolve the TBDs.
- Comment 652 generated significant discussion on jitter terminology and methodology. Terminology taken from 802.3ae C152.
 - straw poll on wording of CRU – no consensus. Need more discussion. Comment resolution refers to figure 52.9, but remove oscilloscope as it implies legacy measurement methods.
 - wording accepted. Mike Li took the action to finish figure.
 - Chair advised that additional work is needed in this area and looked forward to contributions.

Break at 10:16am.

Reconvened at 10:32.

10:45am – all XL/CAUI T/TR comments completed. Proceeding to Clause 85.

- Presentation by Chris DiMinico on channel budget: “Supporting material for Clause 85 comments submitted” which is used as the basis for multiple comments resolutions. http://www.ieee802.org/3/ba/public/nov08/diminico_02_1108.pdf
- Presentation given by Ali Ghiasi, followed by more discussion. http://www.ieee802.org/3/ba/public/nov08/ghiasi_02_1108.pdf

12:01pm Break for lunch

1:10pm meeting reconvened by the Chair

Comment resolution continues.

Break at 2:35pm

Reconvened at 2:55

Comment resolution continues.

- Supporting material for Comment 341: Piers Dawe presented http://www.ieee802.org/3/ba/public/nov08/dawe_01_1108.pdf in favor of dropping auto-negotiation for CR4. Comment rejected with no opposition.
- At approximately 5pm, the Chair took a schedule poll to determine if we should take a dinner break then reconvene until 9pm, or continue on and work through until ~7pm. Result was to continue on after a short break.

5:09pm – break

5:30pm – reconvened

- Comment resolution continued.
- Discussion related to Comment 571: the CR4/10 channel will have a difference from KR in that being 10m long it will have a longer pulse response tail than a 1m backplane. A

group delay or pulse response approach may be necessary. Need more contributions on how to solve this problem.

- More discussion on test points and the need for future work.
- Adam Healy presents http://www.ieee802.org/3/ba/public/nov08/healey_01_1108.pdf on KR-based receiver testing. Lively discussion followed. This presentation becomes the basis for resolving multiple comments, with indication where additional work is needed.

Copper Sub-task Force breaks for day at 7:40pm

Date: November 12, 2008
RE: Minutes Logic Sub-Task Force Meeting
Prepared by Farhad Shafai

Meeting reconvened at 9:09am

The Patent Policy slides were reviewed. The chair provided an opportunity for participants to identify patent claim(s)/patent application claim(s) and/or the holder of patent claim(s)/patent application claim(s) that the participant believes may be essential for the use of that standard. No one came forward.

Discussion about PMA architecture

Meeting break at 10:53am
Meeting reconvened at 1:09pm

Comment review

Meeting break at 2:00pm
Meeting reconvened at 2:25pm

Comment review continued.

Logic Sub-task Force Meeting break for day at 2:39pm

Date: November 12, 2008
RE: Minutes Optics Sub-Task Force Meeting
Prepared by George Oulundsen

Optics Meeting reconvened at 8:08 AM.

Pete Anslow, Optics Sub-Task Force Chair, lead the Optics Sub-Task Force in comment resolution. Pete appointed George Oulundsen as the recording Secretary for the Optics Sub-Task Force for Nov. 12.

The IEEE patent policy was presented to the group. Pete called for patents. No one identified any patents. Pete reminded everyone of their duty to inform the Task Force of pertinent patents.

The time was spent on comment review and resolution.

Break at 10:08 AM
Reconvened at 10:28 AM

The time was spent on comment review and resolution.
Much discussion was had on transmitter/receiver specifications, skew, and encircled flux.

Break for lunch at 12:08 PM
Reconvened at 1:10 PM

The time was spent on comment review and resolution.
Much discussion was had on jitter specifications, S-parameters, and electrical eye-masks.

Break at 2:49 PM
Reconvened at 3:05 PM

The time was spent on comment review and resolution.
More discussion was had on jitter specifications, S-parameters, and electrical eye-masks.

Straw Poll #1: Which of the following electrical eye-mask proposals would you like to see in Draft 1.1?

- A. Accept proposal submitted in comments 403 & 404
- B. Accept proposal submitted in comments 389 & 390

A: 6
B: 10

Straw Poll #2: Do you vote to resolve the electrical eye-mask comments with the remedy proposed in comment 389?

Yes: 10
No: 2

Remedy of comment 389 accepted.

At 6:30 PM the sub-task force Chair asked the group if they wanted to break for the social or to keep going. The group decided to keep going.

Optics Sub-task Force Break for day at 7:25 PM

Date: November 12, 2008
RE: Minutes Copper Sub-Task Force Meeting
Prepared by David Chalupsky

Meeting reconvened at 8:00am by Chair, Chris DiMinico

Opening Information: Chair went through his introductory presentation.

Introductions – everyone introduced themselves and stated their affiliation
Reading of the ground rules.

Patent Policy was displayed. Chair calls for patents. No response to Call for Patents.

Chair reviewed comment status

- Yesterday all Clause 83, and all but seven Clause 85 comments were completed. We have seven Clause 85 and 32 Backplane comments to resolve today.

Comment resolution commenced at 8:07am.

8:31am – break while Editors work on database.

8:40am – reconvened

- Comment 459 generated significant discussion on return loss of the cable assembly. Comment accepted with TBDs to indicate work to be done. Reviewing SFF-8431 v3.0 return loss specification for direct attach cable. QSFP cable measured data compared to SFP+ (SFF-8431 v3.1+) limit line was shown. Question was raised about the 100GBASE-CR10 connector. No data here, it is being worked on by IBTA at this time.

9:04am Transition to backplane comments.

10:00am: End of Clause 73 comments, move to remaining Clause 84 & 85.

- Piers Dawe delivered a presentation on Partial FEC in support of Comment 370. http://www.ieee802.org/3/ba/public/nov08/dawe_02_1108.pdf Advocates allowing FEC to be used for error detection only, making the error correction feature optional. Comment dispositioned with Reject and referring to similar comment in logic track (322, CI74) which advocates more study in this area.

Clause 85 complete

Break at 10:33am

Reconvened at 10:58am

Comment resolution continues.

11:50am: disposition complete on all T/TR comments.

Chair proposes editors be given license to implement the resolutions to editorial comments as has been indicated in the proposed responses. There was no opposition in the room.

Motion to adjourn by Tom Palkert, multiple seconds.
Approved by voice.

Closing comments by the Chair on progress made and work to be done for next meeting.

Copper Sub-task Force Meeting adjourned.

Date: November 13, 2008
RE: Minutes IEEE 802.3 ba Task Force Meeting
Prepared by George Oulundsen

Meeting reconvenes at 8:20 AM

Chair starts meeting reviewing the goals this morning.

David Law, Tom Palkert, and Gary Nicholl gave a special presentation. On behalf of the Task Force they presented the Chair, John D'Ambrosia, with a sheriff's badge, a cowboy hat, and a toy gun. Sheriff D'Ambrosia liked the cowboy hat. David Law asked if there were any objections to allowing photographs. There were no objections.

Chair proceeded to review the agenda for today.

Presentation #12

Title – Chief Editor's Closing Report
By – Mark Gustlin, Cisco on behalf of Ilango Ganga, Intel
See – ganga_03_1108.pdf
Discussion - none

Presentation #13

Title – Introduction and Management Clauses Closing Report
By – Mark Gustlin, Cisco on behalf of Ilango Ganga, Intel
See – ganga_04_1108.pdf
Discussion - none

Presentation #14

Title – Logic Sub-task Force Closing Report
By – Mark Gustlin, Cisco
See – ghiasi_01_0708.pdf
Discussion - none

Presentation #15

Title – Cu-Sub-task Force Closing Report
By – Chris DiMinico, MC Communications
See – diminico_03_1108.pdf

Discussion

- One clarifying question was asked and answered.

Presentation #16

Title – Optical Sub-task Force Closing Report
By – Pete Anslow, Nortel
See – anslow_03_1108.pdf

Discussion

- Clarifying questions were asked and answered.

The Chair reviewed the IEEE patent policy. The Chair called for patents. No one identified any patents. The Chair reminded everyone of their duty to inform the IEEE of pertinent patents.

Discussion and Motions:

Motion #1: Move to charter the editorial team to create Draft 1.1, based on Draft 1.0 and all resolved comments (with unresolved editorial comments to be addressed by the editorial team), as recorded in “p8023ba-D10_AcceptedResponses_by_Clause.pdf”

Moved by: Mark Gustlin
Second by: Pete Anslow

Technical ($\geq 75\%$)

Results:

Task Force:

Yes: 79

No: 0

Abstain: 2

Motion Passes

Reviewed the Liaison Responses:

Pete Anslow reported that the Optical Sub-Task Force reviewed the liaison from ISO/IEC SC25 WG3. It was decided that, as the next meeting of SC25/WG 3 is not until March 23rd to 27th 2009, it would be most helpful to draft a response with the most up to date information at the IEEE 802.3ba meeting March 8 -13 in Vancouver.

Steve Trowbridge presented a draft response (see “trowbridge_03_1108.pdf”) to the ITU-T SG15 liaison.

Motion #2: Move that 802.3ba approve the text in “trowbridge_03_1108.pdf”, attaching P8023ba-D10.pdf with editorial license granted to the Chair (or his appointed agent) as an informal communication by the Chair to ITU-T Study Group 15.

Moved by: Steve Trowbridge
Second by: Mark Gustlin

Technical ($\geq 75\%$)

Results:

Approved by voice vote without objection.

Motion Passes

Straw Poll #3: Who plans on attending the meeting in New Orleans? 50

Straw Poll #4: Who may attend the meeting in New Orleans? 13

Straw Poll #5: Who is not going to attend the meeting in New Orleans? 11

Future Meetings:

Future Meeting information can be found at: <http://ieee802.org/3/interims/index.html>

Jan 2009 Interim

- Jan. 12 – 16
- New Orleans, LA

March 2009 Plenary

- March 8 – 13
- Hyatt Regency Vancouver and Fairmont Hotel
- Vancouver, BC, Canada

Motion to adjourn - moved by Steve Trowbridge; 2nd by Matt Traverso. Motion approved by voice vote without objection.

Task Force meeting adjourns at approximately 10:00 AM on Thursday, November 13, 2008

Attendee List for Nov. 9-10, 2008:

IEEE 802.3ba Attendance Sheet - Interim Meeting, Nov. 9-10, Dallas, TX				11/9/2008	11/10/2008
Last Name	First Name	Employer	Affiliation	Sunday	Monday
Abbas	Ghani	Ericsson, UK	Ericsson, UK	X	X
Abbott	John	Corning	Corning	X	
Akasaka	Youichi	Fujitsu Labs	Fujitsu Labs	X	
Alping	Arne	Ericsson AB	Ericsson AB	X	X
Alush	Yehuda	Nokia Siemens Networks	Nokia Siemens Networks	X	X
Anslow	Pete	Nortel	Nortel	X	X
Baldwin	Thananya	Ixia	Ixia	X	
Barrass	Hugh	Cisco	Cisco	X	
Beaudoin	Denis	Texas Instruments	Texas Instruments		X
Beckwith	Jon	UNH - IOL	UNH - IOL		X
Bergman	Ernest	Circadiant Systems, Inc.	Circadiant Systems, Inc.	X	X
Braun	Ralf-Peter	Deutsche Telekom, T-Systems	Deutsche Telekom, T-Systems	X	X
Carlson	Steve	HSD	HSD		X
Chalupsky	David	Intel	Intel	X	X
Chang	Sun-Hyok	ETRI		X	
Chen	Jian	Institute for Infocomm Research	Institute for Infocomm Research		X
Chung	Hwan-Seok	ETRI	ETRI	X	
Cole	Chris	Finisar	Finisar		X
Congdon	Herb	Tyco Electronics	Tyco Electronics	X	X
D'Ambrosia	John	Force 10 Networks	Force 10 Networks	X	X
Dawe	Piers	Avago Technologies	Avago Technologies	X	X
DiMinico	Christopher	MC Communications/LEONI	MC Communications/LEONI	X	X
Dudek	Mike	JDSU	JDSU	X	X
Feng	Hao	Eudyna Devices			X
Ganga	Ilango	Intel	Intel	X	X
Ghiasi	Ali	Broadcom	Broadcom		X
Giannakopoulos	Dimitris	AMCC	AMCC		X
Green	Larry	Ixia	Ixia		X
Gustlin	Mark	Cisco	Cisco	X	X
Ishibe	Kazuhiko	Anristu	Anristu	X	X
Ishida	Osamu	NTT	NTT	X	X
Iwadate	Hirotake	Sumitomo Electric		X	X
Kardonchik	Jamie	Kawasaki	Kawasaki	X	X
Kim	Seung-Hwan	ETRI	ETRI	X	
Latchman	Ryan	Gennum	Gennum	X	X
Law	David	3Com	3Com	X	X
Lenkisch	Andreas	Schroff Gmbh Germany	Schroff Gmbh Germany		X
Li	Mike	Altera	Altera	X	X
Louie	John	Broadcom	Broadcom		X
Magee	Anthony	ADVA Optical Networking	ADVA Optical Networking		X
Maki	Jeffery	Juniper Networks	Juniper Networks	X	X
Mariotti	Carlo	Cisco	Cisco	X	X
Marris	Arthur	Cadence	Cadence	X	X
Mellitz	Richard	Intel	Intel	X	X
Meyer	Jeffrey	Centellax	Centellax		X
Miao	Tremont	Analog Devices Inc.	Analog Devices Inc.		X
Misek	Brian	Avago Technologies	Avago Technologies	X	X
Moorwood	Andy	Infinera Corp	Infinera Corp	X	X
Muller	Shimon	Sun	Sun	X	
Neer	Jay	Molex	Molex		X

Nicholl	Gary	Cisco	Cisco	X	
Noh	George	Vitesse Semiconductors	Vitesse Semiconductors	X	X
Ofelt	David	Juniper Networks	Juniper Networks	X	X
Omathuna	Padraig	Gigoptix	Gigoptix	X	X
Oomori	Hirota	Sumitomo Electric	Sumitomo Electric	X	X
Oulundsen	George	OFS	OFS	X	X
Palkert	Tom	Xilinx, Luxtera	Xilinx, Luxtera	X	X
Peeters Weem	Jan	Aprius	Aprius	X	X
Pepper	Gerald	Ixia	Ixia	X	
Petrilla	John	Avago Technologies	Avago Technologies		X
Pilip	Mark	Ezchip Technologies	Ezchip Technologies	X	X
Rabinovich	Rick	Alcatel-Lucent	Alcatel-Lucent		X
Sayre	Edward	NESA	NESA	X	X
Searles	Shawn	Advanced Micro Devices	Advanced Micro Devices	X	X
Seto	Koichiro	Hitachi Cable			X
Shafai	Farhard	Sarance	Sarance	X	X
Shahine	Mike	Ciena Corp.	Ciena Corp.		X
Shang	Song	Sierra Monolithics	Sierra Monolithics		X
Simsarian	Jesse	Alcatel-Lucent	Alcatel-Lucent	X	X
Suzuki	Toshihiro	Anristu	Anristu	X	X
Swanson	Steve	Corning	Corning	X	
Takahashi	Hidenori	KDDI R&D Laboratories Inc.	KDDI R&D Laboratories Inc.	X	X
Thiagarajan	Sashi	Ciena	Ciena	X	X
Toyoda	Hidehiro	Hitachi	Hitachi	X	X
Traverso	Matt	Opnext	Opnext		X
Trowbridge	Steve	Alcatel-Lucent	Alcatel-Lucent	X	X
Tsumura	Eddie	Excelight	Excelight	X	X
Vanderlaan	Paul	Nexans	Nexans		X
Veguru	Tulast	Infinera			X
Weitzner	Andy	Marvell	Marvell		X
Zivny	Pavel	Tektronix	Tektronix	X	X

Attendee List for IEEE 802.3ba Plenary Meeting held Nov. 11-13, 2008 according to the 802.3ba Task Force attendance sheets/books:

Symbols for attendance:

O = attended Optics Sub-Task Force

C = attended Copper Sub-Task Force

L = attended Logic Sub-Task Force

X = general 802.3ba attendance

Or any combination of letters for those that attended multiple sub-task force meetings (e.g. L-O means that a person signed in for the Logic and the Optics sub-task force meetings).

IEEE 802.3ba Attendance Sheet - Plenary Meeting, Nov. 11-13, Dallas, TX				11/11/2008	11/12/2008	11/13/2008
Last Name	First Name	Employer	Affiliation	Tues	Weds	Thurs
Abbas	Ghani	Ericsson, UK	Ericsson, UK	O	O	X
Abbott	John	Corning	Corning	O	O	X
Akasaka	Youichi	Fujitsu Labs	Fujitsu Labs	O	O	X
Alping	Arne	Ericsson AB	Ericsson AB	O	O	X
Alush	Yehuda	Nokia Siemens Networks	Nokia Siemens Networks	L	L-O	
Anslow	Pete	Nortel	Nortel	O	O	X
Baca	Richard	Commscope	Commscope	O	O	
Baldwin	Thananya	Ixia	Ixia	L	L	X
Beckwith	Jon	UNH – IOL	UNH - IOL	C	C	X
Bergmann	Ernest	Circadiant Systems	Circadiant Systems	O	O	X
Braun	Ralf-Peter	Deutsche Telekom, T-Systems	Deutsche Telekom, T-Systems	O	O	
Cady	Ed	MERITEC	MERITEC	C	C	
Caldwell	Maurice	Broadcom	Broadcom	L	L	
Carroll	Martin	Verizon	Verizon	O		X
Chalupsky	David	Intel	Intel	C	C	
Chang	Frank	Vitesse	Vitesse	L-O	L	X
Chang	Sun-Hyok	ETRI	ETRI	O	O	X
Chen	Jian	Institute for Infocomm Research	Institute for Infocomm Research	O	O	X
Chung	Hwan-Seok	ETRI	ETRI	O	O	X
Cina	Michael	Tyco Electronics		C	C	
Cole	Chris	Finisar	Finisar	O	O	X
Coleman	Doug	Corning	Corning	O		
Congdon	Herb	Tyco Electronics	Tyco Electronics	O	O	X
D'Ambrosia	John	Force 10 Networks	Force 10 Networks	L	L	X
D'Andrea	Dave	Lightwire	Lightwire	O	O	
Dawe	Piers	Avago Technologies	Avago Technologies	O	O	X
DiMinico	Christopher	MC Communications/LEONI	MC Communications/LEONI	C	C	X
Dineen	Thomas	Self	Self	L	L	X
Drolet	Patrick	EXFO	EXFO	L	L-O	X
Dudek	Mike	JDSU	JDSU	O	O	X
Duplessis	Luc	EXFO	EXFO	L	L-O	X
Dupuis	Mark	Madison Cable	Madison Cable	C		
Estes	Dave	UNH – IOL	UNH - IOL	L	L	X
Feng	Hao	Eudyna Devices	Eudyna Devices	O		
Flatman	Alan	LAN Technologies	LAN Technologies	O	O	
Foster	Guy	Synthesys Research	Synthesys Research	O	C	
Ganga	Ilango	Intel	Intel	L-O		
Gavrilovic	Paul	Cisco	Cisco	O		
Ghiasi	Ali	Broadcom	Broadcom	C	O	X
Giannakopoulos	Dimitris	AMCC	AMCC	L	L	X
Green	Larry	Ixia	Ixia	O	O	X
Gustlin	Mark	Cisco	Cisco	L	L	X
Gyugyi	Paul	Google	Google			X

Hammond	Bernie	ADC Telecommunications	ADC Telecommunications	O	O	
Horner	Rita	Avago Technologies	Avago Technologies	L-C	C	X
Ishibe	Kazuhiko	Anristu	Anristu	C	C	X
Ishida	Osamu	NTT	NTT	L	L	X
Isono	Hideki	Fujitsu Ltd.	Fujitsu Ltd.	O		
Iwadate	Hirotake	Sumitomo Electric		O	O	X
Jackson	Ken	Emcore Corp.	Emcore Corp.	O		
Jimenez	Andrew	Anixter Inc.	Anixter Inc.	O		
Joo	Bheom Soon	ETRI	ETRI	L	L	X
Jorgensen	Thomas	Vitesse	Vitesse	L	L	X
Kardontchik	Jaime	Kawasaki	Kawasaki	O	O	X
Kim	Seung-Hwan	ETRI	ETRI	L	L	X
King	Jonathan	Finisar Corp.	Finisar Corp.	O	O	X
Kolesar	Paul	CommScope	CommScope	O	O	
Kumamoto	Tadashi	Fujitsu Component America	Fujitsu Component America	C	C	X
Lackner	Hans	QoSCom	QoSCom	O		
Latchman	Ryan	Gennum	Gennum		O	
Law	David	3Com	3Com	L	L	
Lee	Kyu Sang	ICU	ICU	L	L	X
Lenkisch	Andreas	Schroff Gmbh Germany	Schroff Gmbh Germany	C	C	X
Li	Mike	Altera	Altera	L-C	L-C	X
Loewen	Jonathan	PMC-Sierra	PMC-Sierra	L	L	X
Lutz	Sharon	US Conec LTD.	US Conec LTD.	O	O	X
Magee	Anthony	ADVA Optical Networking	ADVA Optical Networking			X
Maki	Jeffery	Juniper Networks	Juniper Networks	O	O	X
Mariotti	Carlo	Cisco	Cisco	O	O	
Marris	Arthur	Cadence	Cadence	L-C	L-C	X
McDonough	John	NEC America	NEC America	O	O	X
McSorley	Greg	Amphenol	Amphenol	C	C	X
Mei	Richard	Commscope	Commscope	O	O	
Mellitz	Richard	Intel	Intel	C	C	
Meyer	Jeffrey	Centellax	Centellax	O	L	X
Miao	Tremont	Analog Devices Inc.	Analog Devices Inc.	O	O	X
Misek	Brian	Avago Technologies	Avago Technologies	C	C	X
Moeller	Merrick	Cinch Connectors		C	C	
Moorwood	Andy	Infinera Corp	Infinera Corp	L	L	X
Muscat	Angela	Force 10 Networks	Force 10 Networks	O	O	
Nakamoto	Edward	Spirent Communications	Spirent Communications	L	L	X
Neer	Jay	Molex	Molex	C	C-O	X
Nicholl	Gary	Cisco	Cisco	L		X
Noh	George	Vitesse Semiconductors	Vitesse Semiconductors	C	C	X
Nordin	Ron	Panduit Corp.	Panduit Corp.	C	C	X
Nowell	Mark	Cisco	Cisco	O		X
Ofelt	David	Juniper Networks	Juniper Networks	L	L	X
Omathuna	Padraig	Gigoptix	Gigoptix	O	O	
Oomori	Hirotake	Sumitomo Electric	Sumitomo Electric	O	O	X
Oulundsen	George	OFS	OFS	O	O	X
Paatzsch	Thomas	Cube Optics	Cube Optics	O	O	
Palkert	Tom	Xilinx, Luxtera	Xilinx, Luxtera	C	C-O	X
Peeters Weem	Jan	Aprius	Aprius	C-O	O	
Peng	Nick	Cisco Systems	TMG	L-C	L	X
Pepper	Gerald	Ixia	Ixia	L	L	X
Petrilla	John	Avago Technologies	Avago Technologies	O	O	X
Pilip	Mark	Ezchip Technologies	Ezchip Technologies	L	L	X
Rabinovich	Rick	Alcatel-Lucent	Alcatel-Lucent	L	L	X
Rausch	Dan	Avago Technologies	Avago Technologies	O	O	X
Ressl	Mike	Hitachi Cable America	Hitachi Cable America	O	O	X
Rhee	J.-K. Kevin	ICU	ICU	L	L	X
Sambasivan	Sam	AT&T	AT&T	L	L	
Savi	Olindo	The Siemon Co.	The Siemon Co.	O	O	X

Sawdy	John	Meritec	Meritec	C	C	X
Sayre	Edward	NESA	NESA	C	C	X
Searles	Shawn	Advanced Micro Devices	Advanced Micro Devices	C	C	
Shafai	Farhard	Sarance	Sarance	L	L	X
Shahine	Mike	Ciena Corp.	Ciena Corp.		O	
Shain	Vadim	NEC Electronics America	NEC Electronics America	L	L	
Shang	Song	Sierra Monolithics	Sierra Monolithics	C	O	X
Sheth	Siddharth	Netlogic Microsystems	Netlogic Microsystems	L-C	L-O	
Shigematsu	Masayuki	Innovation Core SEI, Inc.	Innovation Core SEI, Inc.		O	X
Simsarian	Jesse	Alcatel-Lucent	Alcatel-Lucent	O	O	
Smith	Rod	Tyco Electronics	Tyco Electronics	C	C-O	X
Sugg	Alan	Vega Wave Systems, Inc.	Vega Wave Systems, Inc.	O	O	X
Suzuki	Toshihiro	Anritsu Corporation	Anritsu Corporation	C	L	X
Swanson	Steve	Corning	Corning	O	O	X
Takahashi	Hidenori	KDDI R&D Laboratories Inc.	KDDI R&D Laboratories Inc.	O	O	X
Thiagarajan	Sashi	Ciena	Ciena	O	O	X
Thornton	Bob	Fujitsu Component America	Fujitsu Component America	C	C	X
Tomaszewski	Pete	Force 10 Networks	Force 10 Networks	C	C	X
Toyoda	Hidehiro	Hitachi	Hitachi	L	L	X
Traverso	Matt	Opnext	Opnext			X
Trowbridge	Steve	Alcatel-Lucent	Alcatel-Lucent	L	L	X
Tsumura	Eddie	Excelight	Excelight	O	O	X
Turner	Brad	Juniper	Juniper		L	X
Vanderlaan	Paul	Nexans	Nexans	O	O	X
Veguru	Tulass	Infinera	Infinera	L	L-C	X
Weil	Jason	Cox Comm.	Cox Comm.	C	C	
Weitzner	Andy	Marvell	Marvell			X
Young	George	AT&T	AT&T	O	O	X
Zivny	Pavel	Tektronix	Tektronix	O	O	X