

Unapproved Minutes  
IEEE 802.3ba Task Force Plenary Meeting  
March 16 - 18, 2010  
Orlando, FL USA

Prepared by: George Oulundsen

Meeting convened at 8:50 am, Tuesday, March 16, 2010.

Agenda & General Information

By – John D'Ambrosia

See – agenda\_01\_0310.pdf

- Introductions – Everyone introduced themselves and stated their affiliation.
- Chair outlined the agenda for the week.
- Motion to approve the agenda
  - Motion moved to accept the agenda by Steve Trowbridge, 2<sup>nd</sup> by Arthur Marris.
  - Meeting agenda was approved by voice vote without objection.
- Motion to approve the January Interim minutes.
  - The following changes were noted:
    - Per Pete Anslow
      - Page 1 Heading – “Plenary” should be “Interim”
      - Page 2 – Under meeting attendance “Plenary” should be “Interim”
      - Page 5 – Typos “and” & “principle”
      - Page 6 – Typos “to begin” & “10 minutes”
  - Motion moved to accept minutes with noted changes by Pete Anslow, 2<sup>nd</sup> by David Chalupsky.
  - January Interim Meeting Minutes were approved by voice vote without objection.
- Chair asked if there were any reporters in the room. No one responded. Chair reminded everyone that photographs or recordings are not allowed without permission.
- Chair went through his introduction presentation “agenda\_01\_0310.pdf”
- Goals for the week
  - Resolve comments received against D3.1
  - Proceed to State of “Stop making changes”
  - Lay groundwork for next meeting
  - Request Conditional Approval to submit to RevCom at closing IEEE 802.3 WG Plenary
- Ground Rules
- Reviewed the links of the Task Force related documents
- IEEE Structure, Bylaws & Rules
  - Ilango Ganga read and presented the IEEE Patent Policy slide set.
    - Ilango did call for patents. No one identified any patents.
  - Inappropriate Topics for IEEE meetings read to the body by Ilango Ganga.
  - 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.
- Meeting attendance
  - During the Plenary Meeting, must use the IEEE-SA Meeting Attendance Tool as it will be the basis of the official attendance record for this meeting.
- Presented Task Force Schedule and Timeline, meeting map and items to be addressed this week.
- Reviewed completion of the Standards balloting process and submittal to RevCom
  - Those with unsatisfied comments need to resolve them.
- Reviewed Future Meetings because it relates to the schedule
  - Tentative – April 2010 IEEE 802.3ba Interim
    - April 20
    - Location – San Jose/San Francisco, CA
  - May 2010 IEEE 802.3 Interim
    - May 24-28
    - Location – Geneva, Switzerland

#### Presentation #1

Title – Chief Editor's Opening Report

By – Ilango Ganga, Intel

See – ganga\_01\_0310.pdf

*Discussion* - none

#### Presentation #2

Title – Logic Sub-Task Force Opening Report

By – Mark Gustlin, Cisco

See – gustlin\_01\_0310.pdf

*Discussion* – none

#### Presentation #3

Title – Copper Sub-Task Force Opening Report

By – Chris DiMinico, MC Communications

See – diminico\_01\_0310.pdf

*Discussion* – none

#### Presentation #4

Title – Optical Sub-Task Force Opening Report

By – Pete Anslow, Nortel

See – anslow\_01\_0310.pdf

*Discussion* - none

Ilango adjusted the order of presentations. No objections.

#### Presentation #5

Title – INCITS T11.2 Liaison Report 802.3

By – Terry Cobb, CommScope

See – 0310\_T11\_2.pdf

*Discussion* - none

#### Presentation #6

Title – Liaison Report from ISO/IEC JTC 1/SC 25/WG 3 to IEEE 802.3

By – Alan Flatman, LAN-Technologies

See – ISO\_IEC\_WG3\_to\_802\_3\_3N926.pdf

*Discussion* –

- Propose to assign the Optical Sub-Task Force to draft a response to the liaison letter and present the proposed response to the entire 802.3ba Task Force on Thursday morning. No objections.

#### Presentation #7

Title – Liaison letter from OIF

By – Steve Trowbridge, Alcatel-Lucent

See – 0310\_OIF\_to\_802\_3.pdf

*Discussion* –

- The Chair stated that another letter had been received and it will be uploaded to the website soon.
- John D'Ambrosia will Chair and Ad-hoc group to draft a response to the liaison letters from OIF.

Chief Editor, Ilango Ganga, chaired the Task Force comment resolution session.

#### Presentation #8

Title – Combined Tracks Comment Resolution

By – Pete Anslow

See – anslow\_04\_0310.pdf

- Piers Dawe presented slides (“dawe\_01\_0310.pdf”) related to comments 37 and 94 regarding the measurement bandwidth.

#### Presentation #9

Title – Comments #37, 94, 103, 104, 142: Effect of observation bandwidth and filter profile

By – Piers Dawe, IPTronics

See – dawe\_01\_0310.pdf

Break at 10:20am  
Reconvened at 10:40am

Combined Tracks comment resolution continued.

Break for lunch at 12:00am.  
Reconvened at 1:45pm.

Combined Tracks comment resolution continued.

Break at 3:05 PM  
Reconvened at 3:25 PM

Combined Tracks comment resolution continued.

The 802.3ba Task Force breaks at 4:05 PM to split into the separate sub-task force groups for more specific comment resolution.

The Task Force split into three different tracks – Optical, Logic, and Copper.

The minutes for the each of the Sub-Task Force meetings are included here.

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### **Minutes for Optical Sub-Task Force:**

Optics Sub-Task Force convened at 4:20 PM on Tuesday, 3/16/10.

Meeting chaired by Pete Anslow  
George Oulundsen volunteered to be recording secretary.

Pete Anslow (Optical Sub-Task Force Chair) reviewed the agenda (see [anslow\\_02\\_0310.pdf](#)) for the Optical Sub-Task Force. Primary objective is to resolve/review comments toward clauses 52, 86, 86A, 87 and 88; and review any liaison letters assigned to the Optics Sub-Task Force.

Pete reviewed the IEEE Patent Policy and did a call for patents. There were none.

Pete also reviewed the rules for IEEE meetings and attendees. He reminded everyone to use the IEEE attendance tool to record your attendance for each day.

At 4:30 PM we began comment resolution.

Piers Dawe gave a presentation (see "[dawe\\_01\\_0310.pdf](#)") related to comments 142, 103 and 104.

#### **Presentation #10**

Title – Comments #37, 94, 103, 104, 142: Effect of observation bandwidth and filter profile  
By – Piers Dawe, IPTronics  
See – [dawe\\_01\\_0310.pdf](#)

The Optical Sub-Task Force continued comment resolution.

Break at 6:02 PM

Reconvened on Wednesday (3/17/10) at 10:00 AM

The Optical Sub-Task Force Chair reviewed the IEEE Patent Policy and did a call for patents. There were none.

The Optical Sub-Task Force continued comment resolution.

John Petrilla presented slides (“petrilla\_01\_0310.pdf”) related to comments 31 and 32 regarding SR attribute alignment.

#### Presentation #11

Title – Comments #31 & #32 - SR Attribute Alignment

By – John Petrilla, Avago

See – petrilla\_01\_0310.pdf

#### *Discussion -*

- In addition to the changes proposed by John Petrilla, the Sub-Task Force Chair noted that additional changes would need to be made. The Sub-Task Force Chair proposed some additional changes (“anslow\_05\_0310.pdf”) and John Petrilla agreed to check these additional changes.
- Piers Dawe raised a concern over the difference between the OMA (min) and the OMA minus the TDP (min). The current difference is smaller than what was earlier agreed upon. He agreed to examine what needs to change in order to get back to what was original thought necessary.

Break at 10:35 AM

Reconvened at 10:45 AM

The Optical Sub-Task Force continued comment resolution.

Break at 12:00 PM

Reconvened at 1:30 PM

The Optical Sub-Task Force continued comment resolution and addresses comments 31 and 32 that were discussed earlier this morning.

Break at 3:15 PM

Reconvened at 3:30 PM

The Optical Sub-Task Force continued comment resolution.

At ~4:15 PM we began to address the ISO/IEC Liaison letter. The Optical Sub-Task Force recommends that an Ad-Hoc group be formed to draft a proposed response to the liaison letter in time for the July IEEE Plenary meeting.

After checking in with the Copper Track regarding how they resolved comments 37 and 94, the Optical Sub-Task Force resolved comment 37.

The Optical Sub-Task Force adjourns at 5:00 PM

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### **Minutes from Logic Sub-Task Force:**

Meeting to Address Logic Clauses (Logic Track)  
March 16, 2010

Meeting convened at 4:35am  
Meeting chaired by Mark Gustlin  
Farhad Shafai volunteered to be recording secretary.

The Chair set the agenda for the meeting.

The Patent Policy slides from the morning meeting were referenced. 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 for day at 6:05pm  
Meeting re-convened on March 17, 2010, at 9:45am

Meeting chaired by Mark Gustlin  
Farhad Shafai volunteered to be recording secretary.

The Chair set the agenda for the meeting.

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 10:30am  
Meeting reconvened at 10:50am

Comment review

The Logic Sub-Task Force adjourns at 11:33am

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## Minutes from Copper Sub-Task Force:

### **IEEE P802.3ba Copper Sub Task Force**

March 16-17, 2010

Orlando, Florida

### Copper Sub Task Force

Tuesday, March 16, 2010

Prepared by David Chalupsky

Meeting called to order at 4:18pm, by Chris Di Minico, sub task force Chair

Everyone introduced themselves and stated their affiliation.

**Opening Information:** Chair went through his introductory presentation, diminico\_01\_0310.pdf.

- David Chalupsky was appointed recording secretary.
- Chair reviewed the ground rules.
- 4:23pm: 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 and goals for the meeting. Notes that we may need to reconvene after the Social on Wednesday night, which is not indicated in the posted schedule.
- 101 total comments to be resolved against the Copper Track clauses. 76 T/TR/ER to be reviewed in the meeting.

Chair reports status of key items to be resolved for copper clauses.

85, 85A:

- Figure clarification

83A,83B:

- Clarifications; XLAUI/CAUI channel and compliance points, VMA
- 83B loss budget; connector loss

4:30pm: Comment resolution begins with Clause 84.

Comment 54 generates some discussion; resolved as Accept in Principle.

4:55pm: All Clause 84 comments completed.

4:49pm: Comment resolution continues with Clause 85.

6:04pm: meeting breaks for the evening to avoid conflict with the 30<sup>th</sup> Anniversary Panel Discussion.

Chair announces 8:30am start time for Wednesday.

### **Wednesday, March 17, 2010**

Meeting reconvened at 8:32am, Wednesday March 17, 2010, and called to order by Chris Di Minico, sub task force Chair, and Ryan Latchman.

**Opening Information:** Chair went through his introductory presentation.

- David Chalupsky continued as recording secretary.

- Chair reviewed the plan for the day. We will probably reconvene after The Social this evening. Will use lunch time as working session if necessary.
- 8:36am: Chair displayed the Patent Policy and made a call for patents. No response to call for patents.
- Everyone introduced themselves and stated their affiliation. Approximately 11 attendees at the start of the meeting.

8:40am: Comment resolution begins with Clause 85.

9:10am: moving to Clause 83A comments.

9:28am – Chair calls 5 minute break while database is transferred to Mr. Latchman.

9:34am – resume with Clause 83A comments

Comment #35 generates significant discussion on the relationship of BER to eye mask hit ratio.

12:10pm: Break for lunch; one hour.

1:10pm: resume comment resolution with Clause 83A.

3:00pm: break

3:18pm: resume comment resolution, Clause 83A.

4:27pm: The Chair reopens Comment 94, Clause 85. Chair suggests changing response to Accept and adopting the 12GHz limit. Further discussion in the room. Related to this comment, a presentation from May, li\_01\_0509.pdf, is displayed and discussed. Resolution changes 20 GHz BW to 12GHz as recorded in the database.

6:15pm: discussion on work strategy: we're almost done. Keep going, should be wrapped by ~7pm.

6:54pm: Copper Track comment resolution complete. Meeting adjourned.

The entire 802.3ba Task Force reconvened at 8:35 AM on 3/18/10

The Chair reviewed the IEEE Ground rules.

The Chair presented the IEEE Patent Policy and did a call for patents. No one came forward with any patents.

The Chair outlined the agenda for this morning and what we must get done before this afternoon.

The Chair handed the meeting over to Optical Sub-Task Force Chair Pete Anslow in order to resolve 4 remaining comments.

Pete Anslow led the comment resolution. All comments were resolved.

The 802.3ba Chair, John D'Ambrosia, presented a draft of the proposed response to the OIF liaison letter. In addition to the proposed response, the ad hoc recommended that a future ad hoc be formed by the WG to enable a more informed response.

Review of OIF Liaison Response Ad hoc by John D'Ambrosia – see



dambrosia\_OIF\_01\_0310.pdf. Update to document per TF discussion – see dambrosia\_OIF\_01a\_0310.pdf.

**Motion #1:** Motion to approve “dambrosia\_01a\_0310.pdf” as liaison document to the OIF.

- Moved by Tom Palkert
- Second by Mike Dudek
- Technical (=>75%)
- Results – Motion passes by voice vote without opposition

Pete Anslow reviewed the proposed response to the IEC Liaison Letter as discussed in the Optical Sub-Task Force. Pete presented that the Optical Sub-Task Force recommends that an Ad-Hoc group be formed to draft a proposed response to the liaison letter since a response is not needed until early October, 2010. The Ad-Hoc group will then present the drafted proposed response to the 802.3ba Task Force or another 802.3 group for review, as needed. The 802.3ba Task Force did not object to this approach.

Break at 10:00 AM  
Reconvene at 10:25 AM

Comment resolution is complete.

At 10:30 AM the Task Force finished comment resolution and review of the proposed liaison responses.

**Presentation #12**

Title – Logic SubTask Force - Closing Report  
By – Mark Gustlin, Cisco  
See – gustlin\_03\_0310.pdf  
*Discussion - none*

**Presentation #13**

Title – Copper SubTask Force - Closing Report  
By – Chris DiMinico, MC Communications  
See – diminico\_03\_0310.pdf  
*Discussion - none*

**Presentation #14**

Title – Optical SubTask Force - Closing Report  
By – Pete Anslow, Nortel  
See – anslow\_03\_0310.pdf  
*Discussion - none*

**Presentation #15**

Title – Chief Editor's Closing Report  
By – Ilango Ganga, Intel  
See – ganga\_02\_0310.pdf

*Discussion - none*

**Motion #2:** Move that the Task Force:

- Accept comment resolutions from D3.1 as recorded in the comment database.
- Directs the IEEE P802.3ba editorial team to generate Draft 3.2, based on Draft 3.1 and the resolution of comments against Draft 3.1.

- Moved by Ilango Ganga; Second by Pete Anslow
- Technical (=>75%)
- Results All: Yes - 69    No - 0    Abstain – 0
- Motion Passes

**Motion #3:** Move that the Task Force:

- Request the Working Group Chair submit IEEE P802.3ba for conditional approval to RevCom.

- Moved by Ilango Ganga; Second by Paul Kolesar
- Technical (=>75%)
- Results All: Yes - 68    No - 0    Abstain – 0
- Motion Passes

**Future Meetings:**

The Chair discussed the possible meeting schedule. We may need to meet in April, or we may be able to wrap up the project via teleconference calls. Everyone should stay tuned for updates.

Future Meeting information at:

- <http://ieee802.org/3/interims/index.html>

Tentative - April 2010 IEEE 802.3ba Interim

- April 20
- Location – San Jose / San Francisco, Ca, USA

May 2010 IEEE 802.3 Interim

- May 24 - 28
- Geneva, Switzerland

The Chair made a few moving comments and thanked everyone for all the hard work.

Motion to adjourn moved by Mike Dudek and seconded by Steve Trowbridge;  
Motion passes by voice vote without opposition.

Meeting adjourned at 11:30 AM on March 18, 2010.

Attendee List for IEEE 802.3ba Plenary Meeting held March 16 – March 18, 2010 according to the 802.3ba Task Force attendance sheets/books:

IEEE 802.3ba Attendance Sheet - Plenary Meeting, March 16-18, 2010, Orlando, FL				3/16	3/17	3/18
Last Name	First Name	Employer	Affiliation	Tues	Weds	Thurs
Abbas	Ghani	Ericsson, UK	Ericsson, UK	X	X	X
Abbott	John	Corning	Corning	X	X	X
Ambrose	Andy	Alcatel-Lucent	Alcatel-Lucent		X	X
Anderson	Jon	Opnext	Opnext	X	X	X
Baldwin	Thananya	Ixia	Ixia	X		
Belopolsky	Yakov	BEL	BEL	X	X	
Booth	Brad	AMCC	AMCC		X	
Breuer	Dirk	Deutsche Telekom, T-Systems	Deutsche Telekom, T-Systems	X	X	X
Brown	Matt	AMCC	AMCC		X	X
Chalupsky	David	Intel	Intel	X	X	X
Chantrell	Thomas	Ortronics/Legrand	Ortronics/Legrand	X	X	X
Cobb	Terry	Systimax	Systimax	X		
Coleman	Doug	Corning	Corning	X	X	X
Cook	Charles	Qwest	Qwest			X
D'Ambrosia	John	Force 10 Networks	Force 10 Networks	X	X	X
Dawe	Piers	IPTronics	IPTronics	X	X	X
DiMinico	Christopher	MC Communications/LEONI	MC Communications/LEONI	X	X	X
Dove	Dan	Procurve by HP	Procurve by HP	X		
Dudek	Mike	Qlogic	Qlogic	X	X	X
Eckert	Edward	Ikanos Communications	Ikanos Communications		X	X
Estes	Dave	UNH - IOL	UNH - IOL	X	X	X
Firoozmand	Farzin	Semtech	Semtech	X		
Flatman	Alan	LAN Technologies	LAN Technologies	X	X	
Forbes	Harry	Nexans	Nexans	X	X	X
Fromm	Galen	Molex	Molex		X	X
Ganga	Ilango	Intel	Intel	X	X	X
Giannakopoulos	Dimitris	AMCC	AMCC	X	X	X
Green	Larry	Ixia	Ixia	X	X	
Gustlin	Mark	Cisco	Cisco	X	X	X
Hamano	Hiroshi	Fujitsu Labs Ltd	Fujitsu Labs Ltd	X	X	X
Hammond	Bernie	ADC Telecommunications	ADC Telecommunications	X	X	
Healey	Adam	LSI	LSI		X	
Horner	Rita	Avago Technologies	Avago Technologies	X	X	X
Ishida	Osamu	NTT	NTT	X		X
Iwadata	Hirotake	Sumitomo Electric	Sumitomo Electric	X	X	X
Jiang	Qiaofeng	Nokia Siemens Network	Nokia Siemens Network	X	X	X
Kelsen	Michael	Time Warner Cable	Time Warner Cable	X	X	X

Kimmitt	Myles	Emulex	Emulex		X	
King	Jonathan	Finisar Corp.	Finisar Corp.		X	
Kodama	Satoshi	NTT	NTT	X	X	X
Kolesar	Paul	CommScope	CommScope	X	X	X
Kono	Masashi	Hitachi	Hitachi	X	X	X
Lackner	Hans	QoSCom	QoSCom			X
Lapak	Jeff	UNH-IOL	UNH-IOL		X	X
Latchman	Ryan	Gennum	Gennum	X		X
Lawrence	Doug	Tyco Electronics	Tyco Electronics	X		X
LeCheminant	Greg	Agilent Technologies	Agilent Technologies	X	X	X
Lewis	David	JDSU	JDSU	X	X	
Li	Mike	Altera	Altera	X	X	X
Li	Zeng	Huawei	Huawei		X	X
Maguire	Valerie	Siemon	Siemon\TIA		X	X
Maki	Jeffery	Juniper Networks	Juniper Networks	X	X	
Marris	Arthur	Cadence	Cadence	X	X	
McDonough	John	NEC America	NEC America	X		X
McSorley	Greg	Amphenol	Amphenol		X	X
Misek	Brian	Avago Technologies	Avago Technologies	X	X	X
Ofelt	David	Juniper Networks	Juniper Networks	X	X	
Oulundsen	George	OFS	OFS	X	X	X
Palkert	Tom	Xilinx, Luxtera	Xilinx, Luxtera	X	X	X
Pepeljugin	Petar	IBM	IBM	X		X
Pepper	Gerald	Ixia	Ixia	X		
Petrilla	John	Avago Technologies	Avago Technologies	X	X	
Pimpinella	Rick	Panduit Corp.	Panduit Corp.	X	X	X
Rabinovich	Rick	Alcatel-Lucent	Alcatel-Lucent	X	X	X
Ressler	Mike	Hitachi Cable America	Hitachi Cable America	X	X	X
Roberston	Ian	Texas Instruments	Texas Instruments	X	X	X
Sambasivan	Sam	AT&T	AT&T	X	X	X
Savi	Olindo	Hitachi Cable	Hitachi Cable	X	X	
Sela	Oren	Mellanox Technology LTD	Mellanox Technology LTD	X	X	X
Shafai	Farhard	Sarance	Sarance	X	X	
Shin	Hyung Soo	LS Cable	LS Cable	X	X	X
Staley	Charles	3M	3M	X	X	
Storaasli	Olaf	Draka Comteq	Draka Comteq	X	X	X
Swanson	Steve	Corning	Corning	X	X	
Szczepanek	Andre	Inphi Corp	Inphi Corp	X	X	X
Takahashi	Hidenori	KDDI R&D Laboratories Inc.	KDDI R&D Laboratories Inc.	X	X	X
Teixira	Antonio	Nokia Siemens Network	Nokia Siemens Network		X	X
Tian	Feng	SEI	SEI		X	
Tracy	Nathan	Tyco Electronics	Tyco Electronics	X	X	X
Trowbridge	Steve	Alcatel-Lucent	Alcatel-Lucent	X	X	X
Vaden	Sterling	SMP	SMP	X	X	X

Vanderlaan	Paul	Nexans	Nexans	X	X	X
Warlano	Tim	Applied Micro	Applied Micro		X	X
Warren	David	Hewlett Packard	Hewlett Packard	X	X	X
Zivny	Pavel	Tektronix	Tektronix		X	