Unapproved Minutes
IEEE 802.3ba Task Force Plenary Meeting
March 9-13, 2009
Vancouver, BC, Canada

Prepared by: George Oulundsen

Meeting convened at 8:40 am, Tuesday, March 10, 2009.

<u>Agenda & General Information</u>
By – John D'Ambrosia
See – agenda_01_0309.pdf

- Introductions – Everyone introduced themselves and stated their affiliation.
- Chair asked if there were any reporters in the room. No one responded.
- Motion to approve the agenda
  - Motion moved to accept the agenda by Steve Trowbridge, 2nd by Illango Ganga.
  - Meeting agenda was approved by voice vote without objection.
- Motion to approve the January Interim minutes
  - Two changes were noted.
    - The attendance sheets say that we met in Dallas, Texas, not New Orleans, Louisiana.
    - On the first page of the minutes, "Interim meeting convened at 8:40am, Monday, Jan. 13, 2009." Should be "Interim meeting convened at 8:40am, Tuesday, Jan13, 2009."
  - Motion to accept minutes with noted corrections moved by Larry Green, 2nd by Pete Anslow.
  - January Interim Meeting Minutes were approved by voice vote without objection.
- Chair went through his introduction presentation "agenda_01_0309.pdf"
- Goals for the week
  - Progress Towards Generating Draft 2.0
    - Comment Resolution of Draft 1.2
  - Lay groundwork for the next meeting.
- Ground Rules
- Review of Task Force objectives
- IEEE Structure, Bylaws & Rules
- IEEE Patent policy read to the body by Pete Anslow.
  - Pete Anslow read and presented the IEEE Patent Policy slide set.
  - Pete Anslow reminded everyone of their duty to inform the Task Force of pertinent patents.
  - Chair did call for patents. No one identified any patents.
- Inappropriate Topics for IEEE meetings read to the body by Pete Anslow.
- 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*;

- o Early identification of patent claims which may be essential for the use of standards under development is encouraged;
  - o 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.
- Presented Task Force Schedule and Timeline, and items to be addressed this week.
- Reviewed the work done in the Task Force Review with the goals to get to WG ballot.
- Reviewed title, scope, purpose and need stated in our PAR.
- Reviewed operating rules to go to WG ballot.
- Chair received a late request from Paul Kolesar for a presentation for developing an informative annex for an extended reach over MMF, which is intended to provide feedback for a new proposal at the next meeting. Given that the request was late and that the last meeting per the adopted TF schedule for new proposals was Jan 2009, the Chair asked if there were any objections to allowing Paul to present on Wednesday if there was time. There were no objections.
- Meeting attendance
  - o Must use the IEEE-SA Meeting Attendance Tool as it will be the basis of the official attendance record for this meeting.
- Reviewed Voting Privileges
  - o Attendance at interim and plenary meetings is important
  - o 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.
- Need to address two Liaisons and one report:
  - o As a follow up from Nov. 08 - Need to review and draft a response to ISO/IEC JTC 1/SC 25/WG 3, Document #N882A. Pete Anslow will work with others to draft a response.
  - o Terry Cobb on behalf of Mike Dudek gave a report on INCITS T11.2 Activities. No action from our group is necessary at this time.
  - o Keeping the ITU-T SG15 up to date with the latest draft of IEEE 802.3ba. Steve Trowbridge will draft a response.

Presentation #1 (Editorial Update)
Title –   Chief Editor's Report
By –   Ilango Ganga, Intel
See –   ganga_01_0309.pdf
Discussion
- Clarifying questions were asked and answered.

Straw Poll #1: How many of you will be attending the April 29 – May 1 802.3av, 802.3at, 802.3az, Time Sync SG and Maintenance Interim?

Yes: 0
Probably yes: 4
Probably no: 14
No: 59

Straw Poll #2: How many of you will be attending the May 4 – May 7 802.3ba and 802.1 Interim?

Yes: 30
Probably yes: 21
Probably no: 16
No: 11

Total room head count: 86

Break at 9:45 AM
Reconvened at 10:05 AM

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

The Chair of the "Logic" Sub-task Force and Editor of Clauses 81 and 82, Mark Gustlin, and the Editor of Clause 83 and Annex 83C, Steve Trowbridge, led the part of comment resolution related to the"Logic" Sub-task Force.

The Task Force heard a presentation by Piers Dawe (dawe_01_0309.pdf) regarding comments 107 and 111 related to PRBS31 testing.

After addressing the comments related to "Logic", we began addressing the comments related to "copper". The Chair of the "Copper" Sub-task Force and Editor of Clause 85, Chris DiMinico, and the Chair of the "nAUI" Ad Hoc and Editor of Annex 83A & 83B, Ryan Latchman, led this part of the comment resolution.

Break for lunch at 12:09 PM
Reconvened at 1:45 PM

The Task Force continued to resolve comments related to "copper" and "nAUI specification". The Task Force heard a presentation from Ali Ghiasi (ghiasi_02_0309.pdf) related to comments 63, 64, 67, 68, 71, and 72, regarding refinement to nAUI specifications.

Break at 2:55 PM
Reconvened at 3:23 PM

The Task Force continued to resolve comments related to "copper" and "nAUI specification".

At 4:00 PM, the Task Force heard a presentation by Wael Diab (diab_01_0309.pdf) regarding how the Working Group Ballot process works.

Continued to work on comment resolution for clause 85.

The Task Force heard a presentation from Ali Ghiasi (ghiasi_01_0309.pdf) related to comments 79, regarding TP3 stressor definition for CR4/CR10.

Break at 6:00 PM

For March 11 the Task Force split into two sub-task force groups – the Optics sub-task force and the Copper sub-task force.

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Minutes Optics Sub-Task Force Meeting March 11, 2009
Prepared by Pete Anslow
Meeting convened at 8:30 am chaired by Pete Anslow

The Agenda was reviewed.
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 on Clauses 86, 87 & 88

Break at 10:02 am
Reconvened at 10:23 am

Comment review on Clauses 86, 87 & 88 continued

Comment review on Clauses 86, 87 & 88 completed

Optical Sub-Task Force meeting adjourned at 12:05 pm.

IEEE 802.3BA copper track meeting
March 11, 2009, Vancouver, CA

Meeting started at 8:30am
- Attendees introduced themselves
- Patent policy was reviewed
  - No one came forward with any disclosures

Proceed with comment resolutions to Clause 85 – see comment data base record

Copper Sub-track finished at 9:30am

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Task Force Reconvened at 2:03 PM

Presentation #2
Title –   Extended Reach on MMF: Concepts for Informative Annex
By –   Paul Kolesar, CommScope
See –   kolesar_01_0309.pdf
Discussion
- Clarifying questions were asked and answered.

Break at 2:42 PM
Reconvened at 3:34 PM

Presentation #3
Title –   Optical Sub-Task Force Comment Resolution Update
By –   Pete Anslow, Nortel
See –   anslow_02_0309.pdf
Discussion - none

Presentation #4
Title –   Copper Sub-Task Force and Annex 83A & 83B Comment Resolution Update
By –   Chris DiMinico, MC Communications/LEONI; Ryan Latchman, Gennum
See –   diminico_01_0309.pdf
Discussion - none

The Chair summarized the week and stressed that we need to move quicker at resolving comments.

Ilango Ganga, Task Force Chief Editor, gave a summary of what the editorial team will be doing in the next several hours and what will happen tomorrow. Final responses will be posted later tonight.

Tomorrow morning we will start at 8:30 AM and review the edited document prior to its approval and then the liaison responses.

Break for the day at 4:08 PM
Reconvened at 8:50 AM on Thursday, 3/12/09

The Chair made a call for patents and there were no responses.

Ilango Ganga, Task Force Chief Editor, presented a preview draft (labeled D2.0Pre), which was based on Draft 1.2 plus implemented responses from the Task Force meeting for the Task Force to review.

Chris Diminico asked the Task Force for permission to add TP5 to table 85-6. The Chair asked if there were any objections. There were none. TP5 will be added to table 85-6 by the Editor.

There was debate and discussion around Figure 83A-6. Ali Ghiasi and Ryan Latchman proposed a resolution to the debate. The change was presented to the group and entered into the comment resolution tool. The Task Force Chair asked if there were any objections. There were no objections. The resolution was added to the comment resolution tool and the Editor will make the change in document D2.0.

There was debate and discussion around Table 83B-4 related to the change that was made in Figure 83A-6. Ali Ghiasi and Ryan Latchman proposed a resolution to the debate. The change was presented to the group and entered into the comment resolution tool. The Task Force Chair asked if there were any objections. There were no objections. The resolution was added to the comment resolution tool and the Editor will make the change in document D2.0.

Break at 10:05 AM
Reconvened at 10:20 AM

Reviewed the Liaison Responses:

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

Motion #1: Move that 802.3ba approve the text in trowbridge_01_0309.pdf, attaching IEEE P802.3ba Draft 2.0, 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: Pete Anslow

Procedural (>50%)

Results:

Approved by voice vote without objection.

Motion Passes

Pete Anslow presented a draft response (see anslow_03_0309.pdf) to the ISO/IEC SC25 WG3 liaison.

Motion #2: Move that P802.3ba approve the text in anslow_03_0309.pdf, with editorial license granted to the Chair (or his appointed agent) as an informal communication from the Chair to ISO/IEC SC25 WG3.

Moved by: Pete Anslow
Second by: Steve Trowbridge

Procedural (>50%)

Results:

Approved by voice vote without objection.

Motion Passes

Future Meetings:

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

May 2009 IEEE 802.3 Interim
  - o To be announced

July 2009 IEEE 802 Plenary
  - o July 12 – 17
  - o Hyatt Regency San Francisco at Embarcadero Center
  - o San Francisco, CA, USA

Break at 10:45 AM
Reconvened at 11:24 AM

The Chair recommended the use of the reflector for technical discussions between meetings.

Discussion and Motions:

Ilango Ganga, Task Force Chief Editor, presented D2.0, based on discussions this morning and additional comments. The Task Force reviewed this document. This document is the basis for the draft that will be submitted for WG ballot.

Motion #3: Approve Draft 2.0, based on Draft 1.2 and all resolved comments as recorded in "p8023ba-D12_Finala_Responses_byClause.pdf".

Moved by: Ilango Ganga
Second by: Pete Anslow

Technical (>75%)

<u>Results:</u>

<u>Task Force:</u>
Yes: 71
No: 0
Abstain: 1

Motion Passes

Motion #4: Move that the Task Force request that 802.3 circulate IEEE P802.3ba Draft 2.0 for a 35 day 802.3 Working Group Ballot and comment, and conduct recirculations as necessary.

Moved by: Ilango Ganga
Second by: Steve Trowbridge

Technical ($\geq$75%)

<u>Results:</u>

<u>Task Force:</u>
Yes: 73
No: 0
Abstain: 0

Motion Passes

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

Meeting adjourns at approximately 11:40 AM on Thursday, March 12, 2009.

Attendee List for IEEE 802.3ba Plenary Meeting held March 9-12, 2009 according to the 802.3ba Task Force attendance sheets/books:

IEEE 802.3ba Attendance Sheet - Plenary Meeting, March 9-12, 2009, Vancouver, BC				3/10/2009	3/11/2009	3/12/2009
Last Name	First Name	Employer	Affiliation	Tues	Weds	Thurs
Abbas	Ghani	Ericsson, UK	Ericsson, UK	X	X	X
Alping	Arne	Ericsson AB	Ericsson AB	X	X	X
Anslow	Pete	Nortel	Nortel	X	X	X
Balasubramanian	Vittal	FCI	FCI	X	X	X
Baldwin	Thananya	Ixia	Ixia	X	X	X
Bandyopadhyay	Jaya	Juniper Networks	Juniper Networks	X	X	X
Barrass	Hugh	Cisco	Cisco			X
Baumer	Howard	Mobius Semiconductor	Mobius Semiconductor	X	X	X
Beckwith	Jon	UNH - IOL	UNH - IOL	X	X	
Bergmann	Ernest	Circadiant Systems	Circadiant Systems	X	X	X
Boyd	Graeme	PMC-Sierra	PMC-Sierra	X	X	
Bozorgegrahimi	Kurosh	UNINETT	UNINETT	X	X	X
Braun	Ralf-Peter	Deutsche Telekom, T-Systems	Deutsche Telekom, T-Systems	X	X	X
Brown	Matt	AMCC	AMCC	X	X	X
Carroll	Martin	Verizon	Verizon	X	X	X
Chalupsky	David	Intel	Intel	X	X	X
Chang	Frank	Vitesse	Vitesse	X	X	X
Chang	Sun-Hyok	ETRI	ETRI	X	X	X
Chang	Yifeng	ZTE	ZTE	X		X
Chen	Jian	Institute for Infocomm Research	Institute for Infocomm Research	X	X	X
Chung	Hwan-Seok	ETRI	ETRI	X	X	X
Cole	Chris	Finisar	Finisar	X	X	
D'Ambrosia	John	Force 10 Networks	Force 10 Networks	X	X	X
Dawe	Piers	Avago Technologies	Avago Technologies	X	X	X
DiMinico	Christopher	MC Communications/LEONI	MC Communications/LEONI	X	X	X
Estes	Dave	UNH - IOL	UNH - IOL	X	X	X
Ewen	John	IBM	IBM	X	X	X
Firoozmand	Farzin	SMI	SMI	X	X	
Flatman	Alan	LAN Technologies	LAN Technologies	X	X	X
Foster	Guy	Synthesys Research	Synthesys Research	X		
Ganga	Ilango	Intel	Intel	X	X	X
Ghiasi	Ali	Broadcom	Broadcom	X	X	X
Giannakopoulos	Dimitris	AMCC	AMCC	X	X	X
Green	Larry	Ixia	Ixia	X	X	X
Gustlin	Mark	Cisco	Cisco	X	X	X
Hammond	Bernie	ADC Telecommunications	ADC Telecommunications	X	X	
Horner	Rita	Avago Technologies	Avago Technologies	X	X	X
Ishida	Osamu	NTT	NTT	X	X	X
Jiang	Qiaofeng	Nokia Siemens Network	Nokia Siemens Network	X	X	X
Kim	Seung-H.	ETRI	ETRI	X	X	X
Kipp	Scott	Brocade	Brocade	X	X	X
Kobayashi	Shoukei	NTT	NTT	X	X	X

Kolesar	Paul	CommScope	CommScope	X	X	X
Lackner	Hans	QoSCom	QoSCom	X	X	X
Lapak	Jeff	UNH-IOL	UNH-IOL			X
Latchman	Ryan	Gennum	Gennum	X	X	X
Law	David	3Com	3Com	X		
Levy	Moses	Belden	Belden	X	X	X
Li	David	Ligent	Ligent	X	X	X
Li	Mike	Altera	Altera	X	X	X
Lutz	Sharon	US Conec LTD.	US Conec LTD.	X	X	X
Maguire	Valerie	Siemon	Siemon\TIA		X	X
Maki	Jeffery	Juniper Networks	Juniper Networks	X		
Marris	Arthur	Cadence	Cadence	X	X	X
Marti	Frank	Leviton	Leviton	X		
McDonough	John	NEC America	NEC America	X	X	X
McGrath	Jim	Cinch Connectors	Cinch Connectors	X	X	X
McSorley	Greg	Amphenol	Amphenol	X	X	X
Mellitz	Richard	Intel	Intel	X	X	X
Meyer	Jeffrey	Centellax	Centellax	X	X	X
Moeller	Merrick	Cinch Connectors	Cinch Connectors	X	X	
Muller	Shimon	Sun	Sun	X	X	X
Nakamoto	Edward	Spirent Communications	Spirent Communications	X	X	X
Neer	Jay	Molex	Molex	X	X	X
Nicholl	Gary	Cisco	Cisco	X	X	
Noh	George	Vitesse Semiconductors	Vitesse Semiconductors	X	X	X
Ofelt	David	Juniper Networks	Juniper Networks	X	X	X
Oulundsen	George	OFS	OFS	X	X	X
Palkert	Tom	Xilinx, Luxtera	Xilinx, Luxtera	X	X	X
Pepeljugoski	Petar	IBM	IBM	X	X	X
Pepper	Gerald	Ixia	Ixia	X	X	X
Petrilla	John	Avago Technologies	Avago Technologies	X	X	X
Pimpinella	Rick	Panduit Corp.	Panduit Corp.	X	X	
Rabinovich	Rick	Alcatel-Lucent	Alcatel-Lucent	X	X	X
Ressl	Mike	Hitachi Cable America	Hitachi Cable America	X	X	
Rhee	J.-K. Kevin	KAIST	KAIST	X	X	
Savi	Olindo	The Siemon Co.	The Siemon Co.	X	X	X
Sayre	Edward	NESA	NESA	X	X	X
Searles	Shawn	Advanced Micro Devices	Advanced Micro Devices	X	X	X
Serbay	Murat	MergeOptics	MergeOptics	X	X	X
Shafai	Farhard	Sarance	Sarance	X	X	
Sharma	Atul	Volex	Volex	X	X	X
Shin	Jong-Yoon	ETRI	ETRI	X	X	X
Sparrowhawk	Bryan	Leviton	Leviton	X	X	X
Sugg	Alan	Vega Wave Systems, Inc.	Vega Wave Systems, Inc.	X	X	X
Swanson	Steve	Corning	Corning	X	X	X
Takahashi	Hidenori	KDDI R&D Laboratories Inc.	KDDI R&D Laboratories Inc.	X	X	X
Thiagarajan	Sashi	Ciena	Ciena	X	X	X

Toyoda	Hidehiro	Hitachi	Hitachi	X	X	X
Tracy	Nathan	Tyco Electronics	Tyco Electronics	X	X	X
Traverso	Matt	Opnext	Opnext	X	X	X
Trowbridge	Steve	Alcatel-Lucent	Alcatel-Lucent	X	X	X
Vaden	Sterling	SMP	SMP	X	X	
Vanderlaan	Paul	Nexans	Nexans	X	X	X
Young	George	AT&T	AT&T	X	X	
Zimmerman	George	Solarflare	Solarflare	X	X	X
Zivny	Pavel	Tektronix	Tektronix	X	X	X