

Approved Minutes
IEEE 802.3bm 40 Gb/s and 100 Gb/s Fiber Optic Task Force
Interim meeting
Jan 22-24, 2014
Indian Wells, CA

Prepared by: Kapil Shrikhande

Jan 22, 2014

The meeting was called to order at 9:00 a.m. on Jan 22.
Kapil Shrikhande volunteered as Recording Secretary.

Round of introductions

All meeting materials for the Jan 2014 interim meeting can be found at:
<http://www.ieee802.org/3/bm/public/jan14/index.html>

Agenda and General Information presentation

By: Dan Dove, Chair

See: http://www.ieee802.org/3/bm/public/jan14/dove_01_0114_optx.pdf

The Chair asked if there was any opposition to approving the agenda for the meeting. The agenda was approved without any opposition.

The Chair asked if there was any opposition to approving the minutes from the Nov 2013 Task Force meeting. The Nov 2013 meeting minutes were approved without any opposition.

The Task Force decorum was presented.

The Task Force was reminded that photographs or recordings are not allowed without permission.

The Chair asked if there were any reporters present or if someone present might report on the activities of the meeting. There was no response.

The Chair read the IEEE patent policy. The Chair made a call for potentially essential patents. No one responded to the call for patents.

The rest of the agenda presentation was covered.

Start of technical presentations.

Presentation # 1

Title: MMF ad hoc report

By: Jonathan King, Finisar (MMF Ad Hoc Chair)

See: http://www.ieee802.org/3/bm/public/jan14/king_01_0114_optx.pdf

Presentation # 2

Title: CAUI-4 ad hoc report

By: Ryan Latchman, MACOM (CAUI-4 Ad Hoc Chair)

See: http://www.ieee802.org/3/bm/public/jan14/latchman_01_0114_optx.pdf

Presentation # 3

Title: Editor's opening report

By: Pete Anslow, Ciena (Task Force Chief Editor)

See: http://www.ieee802.org/3/bm/public/jan14/anslow_01_0114_optx.pdf

As per the agenda, Pete Anslow, Chief Editor led the Task Force through Comment Resolution.

The Chief Editor asked if there was any objection to addressing the 3 late comments received on the draft. Seeing none, these 3 comments will be resolved.

The final responses to the comments will include the straw polls taken during comment resolution. Straw poll results are therefore not included in the minutes. However, any Task Force motions required to resolve a comment will be captured in the minutes.

The final responses will be posted by the Chief Editor on the Task Force web-site at <http://www.ieee802.org/3/bm/comments/index.html>

Break at 10:30 a.m.

Reconvened at 10:45 a.m.

Continued comment resolution.

Break for lunch at 12:05 p.m.

Reconvened at 1:30 p.m.

Presentations made in support of comments

Presentation # 4:

Title: 100G SR4 TDP Update

By: John Petrilla, Avago

See: http://www.ieee802.org/3/bm/public/jan14/petrilla_01_0114_optx.pdf

Presentation # 5:

Title: Maps of OMA, TDP and mean power

By: Piers Dawe, Mellanox

See: http://www.ieee802.org/3/bm/public/jan14/dawe_03_0114_optx.pdf

The following presentation was updated by the author since posting to the web-page; the Chief Editor asked if there was any opposition to presenting the new presentation. There was no opposition.

Presentation # 6:

Title: TDP, mask and VECF

By: Piers Dawe, Mellanox

See: http://www.ieee802.org/3/bm/public/jan14/dawe_02a_0114_optx.pdf (revised)

Presentation # 7:

Title: Modal noise in 100GBASE-SR4

By: Piers Dawe, Mellanox

See: http://www.ieee802.org/3/bm/public/jan14/dawe_04_0114_optx.pdf

Break at 3:05 p.m.

Reconvened at 3:20 p.m.

Presentation # 8:

Title: Comprehensive Transmitter and Receiver Jitter Methodology

By: Ali Ghiasi, Ghiasi Quantum LLC

See: http://www.ieee802.org/3/bm/public/jan14/ghiasi_01_0114_optx.pdf

5 minute break at 5:15 p.m.

Recess for the day at 6:47 p.m.

Jan 23, 2014

The meeting was called to order at 9:00 a.m. on Jan 23.

The Chief Editor was chairing the meeting.

The Call for Essential Patents was made. No one responded to the Call for Essential Patents.

Comment Resolution resumed as per the agenda in [dove_01_0114_optx](#)

Break at 10:30 a.m.

Reconvened at 10:45 a.m.

Comment Resolution resumed

Straw Poll # 1 for meeting attendance

I plan to attend the 802.3bm meetings in:

Beijing, PRC	Y:18	N:15	Unsure:7
Norfolk, VA	Y:23	N:4	Unsure:11
San Diego, CA	Y:29	N:3	Unsure:7
Ottawa, CAN	Y:19	N:5	Unsure:12
San Antonio, TX	Y:20	N:3	Unsure:15

Break at 12:07 p.m.

Reconvened at 1:25 p.m.

Comment Resolution resumed

Presentation # 9:

Title: Effect of pattern length on apparent peak-to-peak voltage

By: Piers Dawe, Mellanox

See: http://www.ieee802.org/3/bm/public/jan14/dawe_05_0114_optx.pdf

Break at 3:15 p.m.

Reconvened at 3:30 p.m.

Presentation # 10:

Title: FEC-protected chip-to-module CAUI-4 specification

By: Piers Dawe, Mellanox

See: http://www.ieee802.org/3/bm/public/jan14/dawe_01a_0114_optx.pdf

The following presentation was updated by the author since posting to the web-page; the Chief Editor asked if there was any opposition to presenting the new presentation. There was no opposition.

Presentation # 11:

Title: PCS error burst counting proposal

By: Adee Ran, Intel

See: http://www.ieee802.org/3/bm/public/jan14/ran_01a_0114_optx.pdf

Presentation # 12:

Title: Defining 10 dB CAUI-4 C2C

By: Ali Ghiasi, Ghiasi Quantum LLC

See: http://www.ieee802.org/3/bm/public/jan14/ghiasi_02_0114_optx.pdf

Recessed at 6:15 p.m.

Jan 24, 2014

The meeting was called to order at 9:00 a.m. on Jan 24.

The Chief Editor was chairing the meeting.

The Call for Essential Patents was made. No one responded to the Call for Essential Patents.

Comment Resolution resumed as per the agenda in [dove_01_0114_optx](#)

Comment resolution completed at 11:05 a.m.

Pete Anslow asked if there were any requests to take any comments out of the “bucket” on slide 15 of [anslow_01_0114_optx.pdf](#). No one responded.

Presentation discussing the Task Force Timeline

Title: Timeline discussion

By: Pete Anslow, Ciena (802.3bm Chief Editor)

See: http://www.ieee802.org/3/bm/public/jan14/anslow_02_0114_optx.pdf

Motion # 1

Move to:

Adopt proposed responses to remaining “non-controversial” comments as indicated in
anslow_01_0114_optx.pdf

Generate Draft 2.1 for WG recirculation from Draft 2.0 and closed comments

M: Kapil Shrikhande

S: Jonathan King

Technical ($\geq 75\%$)

Y: 35

N: 0

A: 0

Result: PASSED

Motion # 2

Move to:

Adopt revisions to timeline as shown on page 8 of anslow_02_0114_optx.pdf

Moved: Ryan Latchman

Seconded: Peter Stassar

Technical ($\geq 75\%$ required)

Y: 34

N: 1

A: 4

Result: PASSED

Chief Editor’s closing report

Title: Editor’s Closing Report

By: Pete Anslow, Ciena (802.3bm Chief Editor)

See: http://www.ieee802.org/3/bm/public/jan14/anslow_03_0114_optx.pdf

Meeting adjourns.

IEEE 802.3bm Jan 2014 interim meeting attendance from the sign-up sheet

Last Name	First Name	Employer	Affiliation	22-Jan	23-Jan	24-Jan
Abbas	Ghani	Ericsson		y		
Abbott	John	Corning Inc		y	y	y
Anslow	Pete	Ciena		y	y	y
Baldwin	Thananya	Ixia		y	y	
Ben-Artzi	Liav	Marvell			y	y
Booth	Brad	Microsoft		y	y	
Brown	Dave	Semtech		y	y	y
Carroll	Martin	Verizon		y	y	
Chalupsky	David	Intel				y
Chen	David	NSN		y		
Chen	Henry	Broadcom		y		
Cheng	Wheling	Juniper Networks		y	y	
Cole	Chris	Finisar		y		
Dawe	Piers	Mellanox		y	y	y
Donahue	Curtis	UNH-IOL				y
Dove	Dan	Dove Networking Solutions	Huawei	y	y	y
Dudek	Mike	Qlogic			y	y
Farhood	Arash	Cortina Systems		y		
Folkens	Norbert	JDSU		y	y	y
Ghiasi	Ali	Ghiasi Quantum LLC		y	y	
Grow	Bob	RMG Consulting	KDPOF		y	
Gustlin	Mark	XILINX		y	y	
Healey	Adam	LSI				y
Isono	Hideki	Fujitsu Optical Components		y	y	y
Issenhuth	Tom	Microsoft		y	y	
Jackson	Kenneth	Sumitomo		y		
Jewell	Jack	Independent	Commscope	y	y	y
Jiang	Wenbin	Cosemi		y	y	y
Kaku	Shinkyō	Allied Telesis		y	y	y
Kim	Yong	Broadcom		y		
Kimmtli	Myles	Emuley		y	y	y
Kolesar	Paul	Commscope		y	y	
Langsam	David	Samtec		y	y	y
Latchman	Ryan	MACOM		y	y	

Law	David	HP		y		
LeCheminant	Greg	Agilent Technologies		y	y	y
Lewis	Dave	JDSU		y		
Li	Mike	Altera		y	y	
Maguire	Valerie	Siemon			y	
Maki	Jeffery	Juniper		y	y	y
Malkiman	Yonatan	Mellanox			y	y
Marlet	Mark	Inphi		y		
Marris	Arthur	Cadence Design				y
McDermott	Tom	Fujitsu Labs		y	y	y
McDonough	John	NEC America			y	y
Melitz	Rich	Intel			y	y
Moore	Charles	Avago			y	y
Muir	Ron	JAE		y		
Nakamoto	Ed	Spirent		y		
Ofelt	David	Juniper		y	y	
Ogura	Ichiro	PETRA			y	y
Palkert	Tom	Molex, Luxtera		y	y	
Parthasarathy	Vasudevan	Broadcom		y		
Pepper	Jerry	Ixia		y	y	
Petrilla	John	Avago Technologies		y	y	y
Rabinovich	Rick	Alcatel Lucent		y	y	y
Ran	Adee	Intel			y	y
Rao	Ram	Oclaro		y	y	
Riu	Hirai	Hitachi		y	y	y
Sambasivan	Sam	AT&T		y	y	
Sheth	Siddharth	INPHI		y		
Shrikhande	Kapil	Dell		y	y	y
Smith	Brad	Intel		y		
Sommers	Scott	Molex		y		
Song	Xiaolu	Huawei		y	y	
Stassar	Peter	Huawei		y	y	y
Szczepanek	Andre	Inphi		y	y	y
Takahata	Kiyoto	NTT		y	y	
Takatori	Hiroshi	Huawei		y		
Timmins	Ian	OCC		y		
Tooyserkani	Pirooz	Cisco		y	y	y
Toyoda	Hidehiro	Hitachi		y	y	
Trowbridge	Steve	Alcatel Lucent		y	y	y
Ulrichs	Ed	Sourcephotronics		y	y	

Vallance	Ryan	Nano Precision Products		y	y	
Verdiell	Mark	Samtec		y		
Wang	Robert	Intel		y		
Wang	Tongtong	Huawei		y		
Warren	David	HP		y	y	
XinYuan	Wang	Huawei		y		
Yoshiaki	Sone	NTT		y	y	
Zivny	Pavel	Tektronix				y

attendees who signed the sheet on at least one day = 82