Unapproved Minutes
IEEE 802.3bm 40 Gb/s and 100 Gb/s Fiber Optic Task Force
Plenary meeting
July 16-18, 2013
Geneva, CH

Prepared by: Kapil Shrikhande

July 16, 2013

The meeting was called to order at 9:00 a.m. on July 16.
Kapil Shrikhande volunteered as Recording Secretary.

Round of introductions

All meeting materials for the July 2013 plenary meeting can be found at:
http://www.ieee802.org/3/bm/public/jul13/index.html

Agenda and General Information presentation
By: Dan Dove, Chair
See: http://www.ieee802.org/3/bm/public/jul13/dove_01a_0713_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 May 2013 Task Force meeting. T he May 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 presentations

Presentation # 1
Title: MMF ad hoc report
By: Jonathan King, Finisar (MMF Ad Hoc Chair)
See: http://www.ieee802.org/3/bm/public/jul13/king_01_0713_optx.pdf

Presentation # 2

Title: CAUI-4 ad hoc report
By: Ryan Latchman, Mindspeed (CAUI-4 Ad Hoc Chair)
See: http://www.ieee802.org/3/bm/public/jul13/latchman_01_0713_optx.pdf

Presentation # 3

Title: SMF Ad Hoc report
By: Pete Anslow, Ciena (SMF Ad Hoc Chair)
See: http://www.ieee802.org/3/bm/public/jul13/anslow_01_0713_optx.pdf

Presentation # 4

Title: Editor's opening report
By: Pete Anslow, Ciena (Task Force Chief Editor)
See: http://www.ieee802.org/3/bm/public/jul13/anslow_02_0713_optx.pdf

As per the agenda, the rest of the day will be spent on Comment Resolution. The Chair invited the Editorial team of the Task Force to commence Comment Resolution. The editorial team can be found listed in the Editor's opening report on page 2. The meeting for the rest of day was chaired by Pete Anslow, Chief Editor.

The responses to the comments and actions taken are captured in the comments tool, and therefore will not be noted in the minutes. However, motions made during Comment Resolution will be captured in the meeting minutes.

There were 5 presentations related to comment resolution, these can be found on the meeting web-page at http://www.ieee802.org/3/bm/public/jul13/index.html and will be covered in the order of related comments.

Comment Resolution continued until lunch.

Break for lunch at 12:07 p.m.
Reconvened at 1:07 p.m.

Comment Resolution resumes.

Break at 4:10 p.m.
Reconvened at 4:20 p.m.

Comment Resolution resumes.

Recessed for the day at 6:28 p.m.
The Chair announced that meeting will begin at 8:30 a.m. on July 17th.

July 17, 2013

The meeting resumed at 8:30 a.m.
Round of introductions
Pete Anslow, 802.3bm Chief Editor led the Task Force through Comment Resolution.

Break for lunch at 12:15 p.m.
Reconvened at 1:15 p.m.

Comment resolution resumes, and is completed at 4:25 p.m.

The Chair announces that there are 2 house-keeping motions that he intends to bring before the Task Force after which he will schedule presentations related to the SMF 500m objective.

House Keeping Motions

Motion # 1

Move that IEEE P802.3bm Task Force approve the text in IC_802p3bm_oif_0713-v1p0.pdf, with editorial license granted to the Chair (or his appointed agent) as an informal communication to OIF.
Moved: Michael Ressl
Seconded: Tom Palkert
(> 50%)
Y: 13 N: 0 A: 2
Passes

Motion #2

Move to:
– Adopt proposed responses to remaining “non-controversial” comments as indicated in slide 13 of anslow_02_0713_optx.pdf
– Generate Draft 1.1 for TF recirculation from Draft 1.0 and closed comments
Moved: Pete Anslow
Seconded: Peter Stassar
Technical (>= 75% required)
Y: 16 N: 0 A: 1
Passes

Technical Presentations related to 500m SMF objective

Presentation # 5

Title: Parallel SMF (PSM) in the Data Centre - End User Survey -

By: Brad Booth, Independent
See: http://www.ieee802.org/3/bm/public/jul13/flatman_01_0713_optx.pdf

Presentation # 6

Title: 500 m SMF PSM4Draft text update

By: Tom Palkert, Luxtera
See: http://www.ieee802.org/3/bm/public/jul13/palkert_01_0713_optx.pdf

Presentation # 7

Title: 100GBASE-CWDM Baseline Proposal Update

By: Tek Ming Shen, Huawei
See: http://www.ieee802.org/3/bm/public/jul13/zheng_01a_0713_optx.pdf

Presentation # 8
Title: Cost Saving in CWDM Uncooled Solution with FEC for 500m SMF
By: Tek Ming Shen, Huawei
See: http://www.ieee802.org/3/bm/public/jul13/shen_01a_0713_optx.pdf

Presentation # 9
Title: 100GBase-PAM8 Baseline proposal update
By: Arash Farhood, Cortina
See: http://www.ieee802.org/3/bm/public/jul13/farhood_01_0713_optx.pdf

Presentation # 10
Title: 100GBASE-DMT Draft Update
By: Toshiki Tanaka, Fujitsu
See: http://www.ieee802.org/3/bm/public/jul13/tanaka_01_0713_optx.pdf

Presentation # 11
Title: In support of PSM4 for 100GbE
By: Kapil Shrikhande, Dell
See: http://www.ieee802.org/3/bm/public/jul13/shrikhande_01a_0713_optx.pdf

The Chair announced that 500m SMF related presentations would continue on the following day.
Recessed at 6:15 p.m.

July 18, 2013
Meeting adjourned at 9:00 a.m.
Round of introductions
The Chair presented the agenda and general information
http://www.ieee802.org/3/bm/public/jul13/dove_01a_0713_optx.pdf

Technical Presentations

Presentation # 12
Title: SMF Link Costs over Time
By: Brian Welch, Luxtera
See: http://www.ieee802.org/3/bm/public/jul13/welch_01_0713_optx.pdf

Presentation # 13
Title: Low Cost Component Feasibility for 100GBASE-CWDM CFP4
By: Weiqi Li, Photop Technologies
See: http://www.ieee802.org/3/bm/public/jul13/wli_01_0713_optx.pdf

Presentation # 14
Title: Parallel Fiber, a Data Center Operator's Perspective
By: Tom Issenhuth, Microsoft

See: http://www.ieee802.org/3/bm/public/jul13/issenhuth_01_0713_optx.pdf

Presentation # 15

Title: 100G PSM4 Link Model Update, TDP, TxEye Mask & SRS

By: John Petrilla, Avago Technologies

See: http://www.ieee802.org/3/bm/public/jul13/petrilla_01_0713_optx.pdf

Presentation # 16

Title: Specification for 100GBASE-DR4

By: Piers Dawe, Mellanox

See: http://www.ieee802.org/3/bm/public/jul13/dawe_01_0713_optx.pdf

The floor was opened for straw polls and motions

Straw Poll # 1

Straw Poll: I would support adoption of this PMD to satisfy the “at least 500m SMF” objective for inclusion into Draft 1.1 (alphabetical order)
Chicago Rules (Vote for any number of them)
CWDM: 39
DMT: 21
PAM8: 31
PSM4: 53

Motion #3

Move to adopt draft Clause 96 based upon P802d3bm-96_DMT_02.pdf for inclusion into P802.3bm D1.1.
Moved: Toshiki Tanaka
Seconded: Hideki Isono
Technical (≥ 75% required)
Y: 27 N: 51 A: 31
Fails

Motion #4

Move to adopt draft Clause 96 based upon P802d3bm-96_PAM8_02.pdf for inclusion into P802.3bm D1.1.
Moved: Arash Farhood
Seconded: Will Bliss
Technical (≥ 75% required)
Y: 32 N: 48 A: 34
Fails

Motion # 5

Move to adopt draft Clause 96 based upon P802d3bm-96_CWDM_02.pdf for inclusion into P802.3bm D1.1.
Moved: Tek-Ming Shen
Seconded: Zeng Li
Technical (≥ 75% required)
Y: 37 N: 55 A: 27
Fails

Motion # 6

Move to adopt draft Clause 96 based upon P802d3bm-96_PSM4_02.pdf for inclusion into P802.3bm D1.1.
Moved: Tom Palkert
Seconded: John Petrilla
Technical (≥ 75% required)
Y: 48 N: 45 A: 26
Fails

The final presentation on the agenda, the Editor’s closing report was subsequently covered.

Presentation # 17

Title: Editor’s closing report
By: Pete Anslow, Ciena (802.3bm Chief Editor)
See: http://www.ieee802.org/3/bm/public/jul13/anslow_03_0713_optx.pdf

Meeting was adjourned at 12:01 p.m.

IEEE 802.3bm July 2013 plenary meeting attendance from sign-up sheet

Last Name	First Name	Affliation	Employer	16-Jul	17-Jul	18-Jul
Abbas	Ghani	Ericsson			Y	Y
Anslow	Pete	Ciena		Y	Y	Y
Baldwin	Thananya	Ixia			Y	Y
Ben-Artsi	Liav	Marvell				Y
Bergey	Chris	Luxtera			Y	Y
Bhatt	Vipul	Cisco				Y
Bliss	Will	Broadcom				Y
Booth	Brad	Independent			Y	Y
Bouda	Martin	Fujitsu	Fujitsu	Y	Y	Y
Brown	Matt	Applied Micro				Y
Chalupsky	David	Intel	Intel		Y	
Chang	Xin	Huawei				Y
Choudhury	Mabud	Commscope			Y	Y
Cibula	Pets	Intel	Intel		Y	Y
Cole	Chris	Finisar				Y
Darshan	Yair	Microsemi	Microsemi		Y	
Dawe	Piers	Mellanox	Mellanox	Y	Y	Y
Diab	Wael	Broadcom	Broadcom	Y	Y	
Flatman	Alan	LAN Technologies			Y	
Forbes	Harry	Nexans Inc				Y
Garcia	Modesto	Texas Instruments	Texas Instruments	Y	Y	Y
Ghiasi	Ali	Broadcom		Y		
Gong	Zhigang	JDSU			Y	Y
Gustlin	Mark	XILINX				Y
Hammond	Bernie	TE				Y
Hangchun	Xu	Accelink Technologies	Accelink Technologies	Y	Y	Y
Herman	Carl	CommScope	CommScope		Y	Y
Hiramoto	Kiyo	Oclaro				Y
Holden	Brian	Kandou	Kandou			Y
Isono	Hideki	Fujitsu Optical Components	Fujitsu	Y	Y	Y
Issenhuth	Tom	Microsoft				Y
Jewell	Jack	Independent				Y
Kawatsu	Yasuaki	Hitachi Metals		Y	Y	Y
Kelsen	Michael	TWC	TWC			Y
Keshavan	Kumar	Cadence Design				Y
Kimmtli	Myles	Emuley				Y
King	Jonathan	Finisar		Y	Y	Y

Kipp	Scott	Brocade				Y
Kochuparambil	Beth	Cisco				Y
Kolesar	Paul	Commscope			Y	Y
Latchman	Ryan	Mindspeed			Y	
LeCheminant	Greg	Agilent Technologies		Y	Y	
Lewis	Dave	JDSU		Y	Y	Y
Li	Mike	Altera		Y	Y	
Li	Shaohua	Brocade				Y
Li	Weiqi	Photop		Y	Y	Y
Lingle	Robert	OFS			Y	
Lusted	Kent	Intel	Intel			Y
Maki	Jeffery	Juniper			Y	Y
Martin	Arlon	Kotura				Y
Masuda	Takeo	Petra				Y
Maynes	Curt	3M	3M	Y	Y	Y
McDermott	Tom	Fujitsu Labs			Y	Y
McDonough	John	NEC America			Y	
Mei	Richard	Commscope				Y
Melitz	Rich	Intel				Y
Mooney	Paul	Spirent				Y
Moore	Charles	Avago				Y
Nakamoto	Ed	Spirent		Y		Y
Nordin	Ron	Panduit				Y
Ofelt	David	Juniper			Y	Y
Ogura	Ichiro	PETRA				Y
Palkert	Tom	Xilinx, Molex, Luxtera			Y	Y
Parthasarathy	Vasudevan	Broadcom			Y	Y
Pepper	Jerry	Ixia			Y	Y
Petrilla	John	Avago Technologies		Y	Y	Y
Prendergast	James	IEEE	IEEE			Y
Rabinovich	Rick	Alcatel Lucent		Y	Y	Y
Ran	Adee	Intel				Y
Rannow	Randy	APIC Corp	APIC Corp		Y	
Rao	Ram	Oclaro	Oclaro			Y
Ressl	Michael	Hitachi Cable America	Hitachi	Y	Y	Y
Ria	Himi	Hitachi				Y
Rotolo	Salvatore	ST Microelectronics	ST Micro	Y	Y	Y
Salunke	Vineet	Cisco				Y
Saner	Martin	SNT	SNT		Y	
Sasaki	Yasuo	TE Connectivity	TE Connectivity	Y	Y	Y
Shen	Tek-Ming	Huawei Technologies	Huawei	Y	Y	Y
Song	Xiaolu	Huawei		Y	Y	

Sprague	Ted	Infinera		Y		Y
Stassar	Peter	Huawei	Huawei	Y	Y	Y
Stevens	Daniel	Fujitsu Semiconductor Europe				Y
Suping	Zhai	Huawei		Y	Y	Y
Swanson	Steve	Corning Inc	Corning Inc	Y	Y	
Szczepanek	Andre	Inphi	Inphi	Y		Y
Takahata	Kiyoto	NTT		Y	Y	Y
Tanaka	Toshiki	Fujitsu Labs	Fujitsu Labs	Y	Y	Y
Timmins	Ian	OCC		Y		
Tipper	Alan	Semtech			Y	Y
Tomoo	Takahara	Fujitsu Lab			Y	Y
Tracy	Nathan	TE Connectivity		Y	Y	Y
Tremblay	Francois	Semtech		Y	Y	Y
Trowbridge	Steve	Alcatel Lucent		Y	Y	Y
Tsutsumi	Satoshi	Hitachi				Y
Ulrichs	Ed	Sourcephotonics		Y	Y	Y
Vaden	Sterling	Optical Cable				Y
Vanderlaan	Paul	Nexans Inc			Y	Y
Vijn	Arien	AMS-IX				Y
Wagner	Bob	Panduit				Y
Wang	Robert	Intel				Y
Welch	Brian	Luxtera		Y	Y	Y
Wirtz	Mike	Semtech			Y	Y
Wong	CK	FCI	FCI	Y	Y	Y
Wong	Henry	Huawei				Y
XinYuan	Wang	Huawei				Y
Xu	Yu	Huawei				Y
Zbinden	Eric	Samtec	Samtec	Y	Y	Y
Zeng	Li	Huawei		Y	Y	Y
Zhao	Wenyu	CATR China		Y	Y	Y
Zivny	Pavel	Tektronix				Y

Number of attendees who signed the sheet on at least one day = 111