

Unapproved Minutes
IEEE P802.3bg 40Gb/s Ethernet Single-mode Fibre PMD Task Force
May 26-27th, 2010
Geneva, Switzerland
Prepared by: Jeffery Maki

The meeting was called to order at 9:10 AM, Wednesday, May 26th, 2010 by David Law, IEEE 802.3 chair.

Jeffery Maki volunteered as Recording Secretary. A recording secretary will be appointed on a per-meeting basis.

David Law indicated that he would like to appoint Mark Nowell as Task Force chair.

Motion to confirm Mark Nowell as Task Force Chair.

M: John D'Ambrosia; S: Steve Trowbridge

For: 33; Against: 0; Abstain: 0

Motion Passes

Mark Nowell returned to the room to chair the remainder of the meeting. Documentation for the meeting can be found at:

<http://www.ieee802.org/3/bg/public/may10/index.html>

Call made for dedicated recording secretary for future meetings.

Introductions by attendees (name, employer, affiliation).

Motion to approve previous-meeting minutes.

M: Steve Trowbridge; S: Pete Anslow; Passes by voice without opposition.

Motion to approve the agenda.

M: Pete Anslow; S: Steve Trowbridge; Passes by voice without opposition.

Agenda and General Information

By – Mark Nowell

See – agenda_01_0510.pdf

The guidelines for IEEE-SA meetings were displayed. It was asked whether anyone was present in the room who had not attended another IEEE 802.3 meeting this week - nobody responded, so the slide was not necessary to present verbally.

IEEE Structure, Bylaws & Rules

- The Chair read and presented the IEEE Patent Policy slide set.
 - Chair did call for patents. No one identified any patents.
- Inappropriate Topics for IEEE meetings read to the body by the Chair
- 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 strongly 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.

9:42 AM

Presentation #1

Title – 40GE PMD target
By – Zeng Li
See – li_01_0510.pdf

10:38 AM

Presentation #2

Title – Operation of existing 40G serial at 1310 nm
By – Pete Anslow
See – anslow_01_0510.pdf

COFFEE BREAK

11:30 AM

Presentation #3

Title – Proposal for 1310nm 40GbE SMF PMD
By – Jon Anderson
See – Anderson_01_0510.pdf

12:36 PM

Presentation #4

Title – Wavelength and reach choices
By – Chris Cole (prepared by Jonathan King)
See – king_01_0510.pdf

LUNCH

2:05 PM

Presentation #5

Title – Optical power budgets
By – Pete Anslow
See – anslow_03_0510.pdf

2:25 PM

Presentation #6

Title – Jitter Testing Considerations
By – Norbert Folkens
See – folkens_01_0510.pdf

2:38 PM

Presentation #7

Title – Comment on Receiver Jitter Tolerance
By --- Song Shang
See – shang_02_0510.pdf

2:55 PM

Presentation #8

Title – In Module Deskew Function and Budget
By – Song Shang
See – shang_01_0510.pdf

COFFEE BREAK

Discussion + Straw polls

Major Issues:

- *) Review of applications and current objectives of the task force.
- *) Acceptable compatibility percentage and the accuracy of the findings of Anslow.

Straw Poll #1:

I would support adopting into the baseline text for 802.3bg a proposal based on:

- a) 1300 nm
- b) 1550 nm
- c) Either 1300 nm or 1550 nm
- d) Need more information

Chair's note: It is understood that project documentation may need to be modified dependent on the accepted baseline proposal.

All in the room:

- a: 7
- b: 10
- c: 10
- d: 4

Straw Poll #2:

I believe the optical compatibility objective is met with an interoperability probability against the deployed base of:

- a) >98%
- b) >95%
- c) >90%
- d) >85%
- e) >80%
- f) >75%

Chicago rules

All in the room:

- a: 20
- b: 11
- c: 10
- d: 8
- e: 7
- f: 6

Break for the day at 5:35 PM.

Reconvene on Thursday, May 27, 2010 at 9:10 AM.

Opening comments by the Task Force chair, Mark Nowell.

9:13 AM

Presentation #9

Title – Thoughts on Naming the New PMD

By – John D'Ambrosia

See – dambrosia_01_0510.pdf

In addition, reviewed slide 6 of law_01_0709.pdf from the July 2009 meeting of the P802.3ba task force.

9:37 AM

Presentation #10

Title – Proposed draft of P802.3bg

By – Pete Anslow

See – Anslow_02_0510.pdf (in P802.3bg private area)

COFFEE BREAK

10:50 AM

Motion #1

Move to adopt the ITU-T style of optical power budget specification as proposed in slide 4 of anslow_03_0510.

M: Pete Anslow

S: Jonathan King

Technical >75%

All in room

Y: 32

N: 0

A: 0

Motion Passes

11:00 AM

Motion #2

Move to adopt the receiver characteristics from slide 6 of anslow_03_0510, with the modification that the operating wavelength range will be 1290-1330 nm and 1530-1565 nm.

M: Osamu Ishida

S: Zeng Li

Technical >75%

All in room

Y: 28

N: 0

A: 3

Motion Passes

802.3

Y: 21

N: 0

A: 1

11:08 AM

Motion #3

Move to adopt 1550 nm as the nominal transmitter wavelength, accepting as a baseline the optical parameter specifications from slide 5 of anslow_03_0510.

M: Chris Cole

S: Sam Sambasivan

Technical >75%

All in room

Y: 31

N: 0

A: 3

Motion Passes

802.3 voters

Y: 23

N: 0

A: 1

11:16 AM

Motion #4

Move to adopt the optical power budget from slide 7 of anslow_03_0510 with editorial license to replace the "TBD" per the motions #2 & #3.

M: Pete Anslow

S: Jon Anderson

Technical >75%

All in room

Y: 29

N: 0

A: 2

Motion Passes

11:21 AM

Straw Poll #3

I believe that the nomenclature for the 40G serial interface should be (Chicago rules):

- a) 40GBASE-FR
- b) 40GBASE-VR
- c) 40GBASE-JR
- d) 40GBASE-MR

All in room

- a) 24
- b) 7
- c) 18
- d) 7

11:43 AM

Motion #5

Move to adopt 40GBASE-FR as the nomenclature for the 40G serial interface.

M: John D'Ambrosia

S: Scott Kipp

Technical >75%

All in room

Y: 33

N: 1

A: 2

Motion Passes

11:46 AM

Motion #6

Move to adopt anslow_02_0510 as the 802.3bg baseline text as modified by motions 1-5 as the basis for Draft 1.0 with editorial license to make modifications as necessary.

M: Brad Booth

S: Steve Trowbridge

Technical >75%

All in room

Y: 34

N: 0

A: 2

Motion passes

802.3 voters

Y: 26

N: 0

A: 1

LUNCH

1:20 PM

Chair discusses potential project timeline reflecting the motions that have passed.

1:35 PM

Wael Diab reviews how to use the editing tool.

Presentation #11

Title – Comment Tool Tutorial

By – Wael Diab

See – diab_01_0510.pdf

2:00 PM

Presentation #12

Title – Remaining TBD's to be resolved

By – Pete Anslow

See – anslow_04_0510.pdf

In addition, Pete Anslow, Editor, reviews the possible draft text in consideration of the motions made and to remove any TBDs from the draft.

2:48 PM

Motion #7

Move to adopt proposals in anslow_04_0510 to address TBDs in the adopted baseline text and grant editorial license to make appropriate modifications.

M: Pete Anslow

S: Jeffery Maki

Technical >75%

All in room

Y: 29

N: 0

A: 0

Motion Passes

2:53 PM

Motion #8

Move to pre-submit Draft 1.0 to IEEE 802.3 in anticipation of requesting WG ballot at the July 2010 Plenary.

M: Brad Booth

S: Steve Trowbridge

Procedural >50%

All in room

Y: 34

N: 0

A: 0

Motion Passes

Task force chair asks how many plan to attend the July 2010 Plenary meeting: 24 respond that they shall attend.

Future Meetings:

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

- 3July 2010 IEEE 802 Plenary
 - July 11 - 16
 - Grand Hyatt Manchester
 - San Diego, CA, USA

Motion to adjourn is made and passes by unanimous consent.

The meeting was adjourned at 3:02 PM.

Attendee List for IEEE 802.3 40GE SMF Task Force according to the Task Force attendance sheets/books:

IEEE 40GE SMF Task Force Attendance Sheet - Interim Meeting, May 26-27th, Geneva, Switzerland					5/26
Last Name	First Name	Employer	Affiliation	Wed	Thurs
Abbas	Ghani	Ericsson, UK	Ericsson, UK	X	X
Ambrose	Andy	Alcatel-Lucent	Alcatel-Lucent	X	X
Anderson	Jon	Opnext	Opnext	X	X
Anslow	Pete	Ciena	Ciena	X	X
Booth	Brad	Applied Micro	Applied Micro	X	X
Cole	Chris	Finisar	Finisar	X	X
Cvijetic	Milorad	NEC	NEC	X	X
D'Ambrosia	John	Force 10 Networks	Force 10 Networks	X	X
Diab	Wael	Broadcom	Broadcom		X
Fiedler	Jens	u2t Photonics AG	u2t Photonics AG	X	X
Firoozmand	Farzin	Self	Semtech	X	X
Flatman	Alan	Lan Technologies	Lan Technologies	X	X
Folkens	Norbert	JDSU	JDSU	X	X
Gu	Yuan	ZTE Corporation	ZTE Corporation	X	
Hamano	Hiroshi	Fujitsu Labs Ltd	Fujitsu Labs Ltd	X	X
Ishida	Osamu	NTT	NTT	X	X
King	Jonathan	Finisar Corp.	Finisar Corp.		X
Kipp	Scott	Brocade	Brocade	X	X
Kodama	Satoshi	NTT	NTT	X	X
Kohl	Blaine	BKC	EA	X	X

Kono	Masashi	Hitachi	Hitachi	X	X
Latchman	Ryan	Gennum	Gennum	X	
Law	David	3Com Europe Ltd	3Com Europe Ltd	X	X
LeCheminant	Greg	Agilent Technologies	Agilent Technologies	X	
Lewis	David	JDSU	JDSU	X	X
Maguire	Valerie	The Siemon Co.	Siemon ITIA	X	
Maki	Jeffery	Juniper Networks	Juniper Networks	X	X
Marris	Arthur	Cadence	Cadence		X
McDonough	John	NEC America	NEC America	X	X
McSorley	Gregory	Amphenol Corp	Amphenol Corp	X	X
Nakamoto	Ed	Spirent Comm	Spirent Comm	X	
Nowell	Mark	Cisco	Cisco	X	X
Ofelt	David	Juniper Networks	Juniper Networks		X
Oliver	Sam	Avalon Microelectronics	Avalon Microelectronics	X	X
Robertson	Iain	TI	TI	X	X
Sambasivan	Sam	AT&T	AT&T	X	X
Shang	Song	Semtech	Semtech	X	X
Sparrowhawk	Bryan	Leviton	Leviton	X	
Takahashi	Hidenori	KDDI R&D Labs	KDDI R&D Labs	X	X
Trowbridge	Steve	Alcatel-Lucent	Alcatel-Lucent	X	X
Vaden	Sterling	Optical Cable Corp	Optical Cable Corp	X	
Vanderlaan	Paul	Nexans	Nexans	X	
Warland	Tim	Applied Micro	Applied Micro	X	X
Warren	David	Hewlett Packard	Hewlett Packard	X	X
Zeng	Li	Huawei	Huawei	X	X
Zivny	Pavel	Tektronix	Tektronix	X	X