

Accredited Standards Committee*
NCITS, Information Technology



Doc. No.: T11.2/01-310v1
Date: August 07, 2001
Project: FC0 Optical ad hoc
Ref. Doc.:
Reply to: Rich Taborek
Tom Lindsay
Bill Ham

To: Membership of T11.2

From: Rich Taborek, chair FC0 optical working group
Tom Lindsay, vice chair FC0 optical working group
Bill Ham, Secy FC0 optical working group

Subject: Approved minutes of T11.2 FC0 optical working group on June
05, 2001

The draft Agenda TG T11.2 Optical Ad Hoc was posted to the web (prior to this meeting). Changes made at this meeting are reflected in the following agenda.

Agenda

1. Opening remarks and introductions
2. Approve agenda
3. Attendance and membership
4. Document Distribution - Meeting disk
5. Review minutes of previous meeting
6. Review old action items
7. Call for Patents
8. Administrative Matters
 - 8.1 Officer Appointments
 - 8.2 Procedures
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9. Old Business
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 - 9.1 Error! Bookmark not defined., optical comments,
 - 9.2 FC-PI public review comment resolution, optical comments
 - 9.3 MU optical interface, Error! Bookmark not defined., Shin'ichi Iwano, s.iwano@neo.ntt-at.co.jp

- 10. Presentations
 - 10.1 Laser Safety for Parallel-Optic Products, Error! Bookmark not defined.
 - 10.1 Error! Bookmark not defined., Dubravko Babic, Alvesta, 30 min
 - 10.2 1550 VCSEL friendly specifications, Jim Tatum, Honeywell
- 11. New Business
- 12. Future Meeting Schedule
 - 12.1 Next meeting
 - 12.2 Other ad hoc meeting requests
- 13. Action items
 - 13.1 Old action items (from previous meetings) with current status:
 - 13.2 New action items from this meeting:
- 14. Adjournment

Results of Meeting

1. Opening remarks and introductions

Rich thanked the host, Craig Carlson of Q Logic, for hosting the meeting. Bill Ham took these minutes. The meeting opened at 1:30 PM in Minneapolis, MN.

2. Approve agenda

Motion Brill/Ham that the agenda shown above be approved. Motion passed without objection.

3. Attendance and membership

Attendance at plenary meetings does count toward minimum attendance requirements for T11.2 membership. Working group meetings are open to any person or organization directly and materially affected by T11.2's scope of work but do not count toward minimum attendance for T11.2 membership. The following people attended the meeting:

Name	Status / Company	Tel
Michael Griffin	3M CO.	651 733-6004
Ronald Bossard	3M CO.	512 984-3782
Michael Nguyen	ADEPTEC	408 957-1594
Daniel Tretola	AGILENT	408 455-4578
Randy Clark	AGILENT	408 435-6763
Sam Kim	ALVESTA	408 522-9647
Dubrovko Babic	ALVESTA	650 483-9727

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Michael Wingard	AMPHENOL	607 786-4241
Carl Booth	AMPHENOL	203 287-7455
Paul Weis	BOEING	253 657-1280
Dan Harres	BOEING	314 232-5590
Ronald Miller	BROCADE	408 487-8017
Robert Snively	BROCADE	408 487-8135
Nicholaos Limberopoulos	C&M CORP.	860 779-4815
Bill Pagano	COMPAQ	719 548-3096
David Hyer	COMPAQ	978 493-6139
Bill Ham	COMPAQ	508 841-2629
Leonard Young	CORNING	607 974-8676
Doug Coleman	CORNING	828 327-5580
Edward Grivna	CYPRESS	612 851-5046
Mike Hartmann	E2O	878 466-2800
Michael J. Hartmann	E2O	302 658-0250
Clay Hudgins	EMCORE/MODE	505 343-1111 x379
Kamran Mansoori	EMULEX	714 513-8011
Kevin Oursler	FCI	503 709-3043
Hari Naidu	FUJIKURA AMERICA	408 988-7420
Karl Kwiat	HIROSE	805 522-7958 x210
Bruce Schober	HP	208 396-4102
Kevin Sherman	IBM	802 769-7742
Richard Johnson	INFINEON	408 501-5657
Rich Taborek	INTEL	408 496-3423
Schelto van Doorn	INTEL	408 496-3426
Denise Ridolfo	LSI LOGIC	719 351-1186
David Allen	LSI LOGIC	719 533-7489
Terry Cobb	LUCENT	858 509-0248
Sam Lay	McData	303 460-4302
Jay Neer	MOLEX	561 447-2907 x3889
Shinichi Iwano	NTT-AT	81.422.47.7701
Michael Chen	PRIMARION	310 792-6474
Dean Wallace	QLOGIC	949 389-6480
Bruce Johnson	SEAGATE	612 806-2249
John Schroeder	SMITHS INDUSTRIES	616 241-7574
Pat Gilliland	STRATOS	708 867-9600
Dipak Patel	STRATOS	708 867-9600
Luis Torres	STRATOS	708 867-9600
Charles Brill	Tyco	717 986-6489
Dean Vermeersch	Tyco	717 986-3143
Kevin White	US CONEC	828 323-8883
Dave Lewis	VIXEL	425 806-4096
Tom Lindsay	VIXEL	425 672-8005
Dennis Petrich	WAVECREST	408 436-9000
David Instone	XYRATEX	01 705-486363

Total: 52 attendees

4. Document Distribution - Meeting disk

The agenda for this meeting the draft minutes from the previous meeting and the approved minutes from the meeting before last meeting were distributed electronically.

A summary of the presently active policy to document distribution is included for reference.

All presentations are posted electronically at the approved ftp within two weeks after the meeting. Format must be an approved electronic file format.

(Presentations are defined as material shown publicly in the Plenary or authorized working group meetings.)

Submission of Documents for T11 Document Numbers:

An online system is now available to provide document numbers and accept the submission of documents. The system is accessed via the t11 web page at <http://www.t11.org>. Follow the "docs" link in the left-hand frame, or at the bottom, and fill in a form giving details about the document. In order to complete the form, it will be necessary to enter a password. The password is given out at T11 meetings, or can be obtained from the T11 Chair. Instructions will then be given about uploading the file to the ftp site at <ftp.t11.org>.

We are now using all electronic document distribution.

A T11.2 reflector is now available.

The committee will form its agenda by the following:

1. A call (reminder) for presentations by the chair 3 weeks in advance
2. Those wanting to be on the agenda submit request including:
title
presenter
time required
abstract
3. Chair creates agenda and posts 2 weeks in advance of the meeting
4. At the meeting it is the chair's discretion to allow additional presentations

5. Review minutes of previous meeting

The minutes of the last optical working group were reviewed and approved with minor changes. Motion Ham/Taborek that the draft minutes of the last meeting be approved as modified. Motion passed unanimously. The modified minutes will be posted to the ftp site under a document number without any revision history.

Action item: Ham will get the document number and do the posting.

6. Review old action items

The old action items were reviewed and the status was updated. There were no old action items

7. Call for Patents

There was no response to the call for patents.

8. Administrative Matters

8.1 Officer Appointments

T11.2 Optical Ad Hoc Positions:

The officers of the optical ad hoc group are presently:

Rich Taborek, Intel, Chair 408 496-3423 rich.taborek@intel.com
Tom Lindsay, Stratos Lightwave, V. Chair, Tlindsay@stratoslightwave.com
Bill Ham, Compaq, Secretary 978 828-9102, Bill_ham@ix.netcom.com

8.2 Procedures

8.2.1 T11.2 Optical Ad Hoc Procedures

The Chair (or Vice Chair) shall generate and upload a draft agenda at least one week before the next meeting.

All presenters shall generate, upload and inform the Chair (or Vice

Chair) of their presentations for inclusion into the agenda at least two weeks before the next meeting. Presenters shall provide the Chair with a presentation title, time requirements and abstract. Fixed time is available for presentations. Presentation time slots will be allocated on a first come first serve basis.

The Secretary shall generate and upload draft minutes of the last meeting within four weeks of the meeting.

When the above requirements are met, there shall be no requirement to bring paper copies to the meeting. If this requirement is not met, the material will only be able to be presented at the discretion of the Chair, and paper copies in sufficient numbers that they can be easily referenced by all meeting attendees shall be required to be provided. In addition, if a presentation has not been uploaded by meeting time, the presenter shall make a softcopy of the presentation available to the Secretary at the time of the presentation.

All presentations shall be posted electronically to the T11 web/FTP within two weeks after the meeting. Format must be an approved electronic file format. A failure to do so will result in the Chair remembering this fact at the time of the next request to present :-)

These procedures are not new T11.2 Optical Ad Hoc rules. These procedures are T11 Electronic Document procedures (to support electronic mailings). Each Facilitator is encouraged to enforce these procedures. The complete text of these procedures is documented as T11/98-050v1.

A link on the T11 web page allows facilitators to create notices for upcoming Ad Hoc and Study Group meetings and teleconferences (Ad Hoc meetings are associated with existing projects), and Study Group meetings. Information shall be provided at least two weeks before the actual meeting or teleconference, and full details shall be provided either on the web page or via an open e-mail reflector to allow participation by all interested parties.

Letter ballots will be conducted on-line as per T11 rules. Comment filing will also be conducted on-line at the same time.

Submission of Documents for T11 Document Numbers:

A online system is available to provide document numbers and accept the submission of documents. The system is accessed via the t11 web page at <http://www.t11.org>. Follow the "docs" link in the left-hand frame, or at the bottom, and fill in a form giving details about the document. In order to complete the form, it will be necessary to enter a password. The password is given out at T11 meetings, or can be obtained from the T11 Chair. Instructions will then be given about uploading the file to the ftp site at <ftp.t11.org>.

8.3 Reflector

T11.2 E-Mail Reflector:

The T11.2 Optical Ad Hoc uses the T11.2 reflector for all business and technical discussion. There is no specific T11.2 Optical Ad Hoc reflector.

To subscribe to the reflector please send an E-mail containing the following body line:

subscribe t11_2@network.com <your email address>

to majordomo@network.com

Leave the subject line empty

Report reflector problems to: owner-t11_2@network.com

To unsubscribe to the reflector please send an E-mail containing the following body line:

unsubscribe t11_2@network.com <your email address>

to majordomo@network.com

Leave the subject line empty

To post to the reflector please send an E-mail to:

t11_2@network.com

Posting meaningful technical discussion (max size 40k)

Other T11 reflectors

Please note that the net result (pun not intended) of "cross-posting" to multiple reflectors is to exercise the index fingers of list subscribers deleting duplicate messages. Please resist the urge to cross-post!

8.4 Liaison reports

None

8.5 Other matters of grave concern

None identified.

9. Old Business

9.1 10GFC draft 1.1 letter ballot comment resolution, Error! Bookmark not defined., optical comments,

A request for an ad hoc will be made to T11.2 plenary for authorization

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for an ad hoc, under Tom Lindsay's chairmanship to work on the parallel optic link budget.

Action to chair to request this ad hoc from the T11.2 plenary.

9.2 FC-PI public review comment resolution, optical comments

The FC-PI comments contained in Schelto's data base were reviewed and recommendations made. The status of these recommendations are contained in Schelto's document.

One comment relating to the reduction of the minimum length for MM applications was specifically acted on separately:

Motion Snively/Lindsay that the FC0 optical ad hoc recommend to the T11.2 plenary that the material in 01-232v0 be accepted as the resolution to Brocade public review comment #1 against FC-PI.

Motion passed unanimously

The remainder of the public review comments relating to optical were treated as a group.

Motion Ham/Schelto that the FC0 ad hoc recommend to the T11.2 plenary that the resolutions contained in Schelto's FC-PI comment resolution data base that relate to optical be accepted as the resolution to the public review comments against FC-PI.

Motion passed unanimously

9.3 MU optical interface, Error! Bookmark not defined., Shin'ichi Iwano, s.iwano@neo.ntt-at.co.jp

The material in the document was reviewed. This material will go into FC-PI-2. The document was not uploaded until just prior to the meeting.

10. Presentations

10.1 Laser Safety for Parallel-Optic Products, Error! Bookmark not defined., Dubravko Babic, Alvesta, 30 min

This presentation relates to new laser safety standards and their application to parallel fibers. A request to consider allowing class 1M was made. This change would allow higher launch power and specifically would allow parallel optical configuration to operate at lengths comparable to single fiber. In addition, it would allow larger link budgets for single fibers.

The class 1M allows power levels that could damage eyes if viewed with magnifiers. Class 1 is eye safe at all conditions.

There were no actions taken on this topic at this meeting.

Several future discussions were suggested:

- Effect on link budgets
- Impact on certification of the entire link
- Raising the minimum launch power level.

10.2 1550 VCSEL friendly specifications, Jim Tatum, Honeywell

This presentation was not available prior to the meeting.

The specific idea is to add a 1550 nm variant with the idea that a possible use could be a "two color" WDM approach where both 1550 and 1310 nm are used. This would give a 20 Gbaud aggregate. The 1550 is compatible with 1310 as far as the receiver is concerned.

After some discussion it was suggested that the 1550 nm option could be added to the existing 1310 nm spec (in GBE).

A straw poll whether the 1310 specification should be modified to include provisions for a 1550 nm transmitter option was taken.

Poll results: 32 in favor, 2 against, 4 abstain

Motion Jim Tatum/Luis Torres that the sense of the straw poll be implemented.

Motion passes: 29 for, 2 against, 3 abstain

11. New Business

12. Future Meeting Schedule

12.1 Next meeting

Tuesday August 07, 2001, Waikoloa, HI, 1:30 PM - 5:30 PM

12.2 Other ad hoc meeting requests

None

13. Action items

13.1 Old action items (from previous meetings) with current status:

Action to chair to post a reflector note looking for input on the issue of the 2 meter minimum length (applied to MM)

Status: done

All 10GFC PMD variant champions to send to Terry Cobb input for the spreadsheet that applies to their variant for 10GFC. This is intended to determine the new length limits due to the 2% speed differences and other material needed to complete clause 8.

Status: carried over

Terry Cobb to summarize the spreadsheet results with the new inputs.

Status: carried over

Chris Simoneaux to post a reflector note detailing the basic changes in the 10GBE draft specifications that are different from methods specified in FC-PI.

Status: carried over

13.2 New action items from this meeting:

Action to chair to request authorization for a parallel optic link budget ad hoc from the T11.2 plenary.

Status: new

14. Adjournment

Meeting adjourned at 6:00PM

Please direct any comments/suggestions to T11.2 Optical Ad Hoc Chair,
Rich Taborek.