

Accredited Standards Committee
INCITS, Information Technology

Doc. Number:
Date: 2/4/09
Project:
Reply to: Adam Healey
Dean Wallace

TO: MEMBERSHIP of T11.2

FROM: Adam Healey Chair Electrical Working Group
Hossein Hashemi Vice-chair Electrical Working Group
Dean Wallace Secretary Electrical Working Group

Subject: Approved minutes of electrical working group 2/04/09

AGENDA

1. Opening remarks and introductions
2. Attendance and membership
3. Approve agenda
4. Document Distribution
5. Review minutes of previous meeting and review of minutes from interim meeting.
6. Review old action items
7. Call for patents
8. Presentations
 - 8.1. Simulation-based analysis of the jitter at the 16GFC Delta T point, Adam Healey (LSI), 09-073v0
 - 8.2. FC-PI-5 1490nm SM PMD Specification, Tom Palkert, Luxtera, 09-062v0
9. Project review
 - 9.1 FC-PI-3
 - 9.2 MSQS
10. Review action items
11. Next meeting schedule
12. Adjourn

RESULTS OF MEETING

1. Opening remarks and introductions

Dean Wallace, led the meeting. He opened the meeting at 2:00pm on Wednesday. Dean thanked the host HP and Sean Fitzpatrick. He then led a round of introductions.

2. 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 this meeting:

AMPHENOL INTERCONNECT	Greg McSorley
AVAGO TECHNOLOGIES	David Cunningham
BROCADE	Scott Kipp
EMC CORPORATION	Jason Pritchard
EMULEX	Hossein Hashemi
ESILICON CORPORATION	Frank Barber
EXCELIGHT COMMUNICATIONS, INC.	Mark Furumai
FINISAR	Jim Tatum
FINISAR CORPORATION	Richard Johnson
JDS UNIPHASE	Mike Dudek
LSI CORP.	Pervez Aziz
PMC-SIERRA	Peichen Chang
SEAGATE TECHNOLOGY	Allen Kramer
SYSTIMAX SOLUTIONS	Terry Cobb
TYCO ELECTRONICS	Andrew Nowak
TYCO ELECTRONICS	Michael Walmsley

3. Approval of Agenda

The motion to approve the agenda was Richard Johnson (Finisar), seconded by Mike Dudek (JDSU). The motion was approved by acclimation. There were no objections.

4. Document distribution

This section describes the availability of draft documents that are intended to be published as a result of work by the electrical working group.

Document distribution is now being done over the web. Documents relating to the electrical working group work can be found on the T11 website (www.t11.org) by going to "documents" and searching on the key word electrical.

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 of 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.

We now use all electronic document distribution.

A T11.2 reflector is operational over the T11 site.

The committee forms its agenda by the following:

1. A call (reminder) for presentations by the chair three weeks in advance.
2. Those wanting to be on the agenda submit request including; title, presenter, time required, abstract.
3. Chair creates an agenda and posts two weeks before the meeting.
4. At the meeting it is the chair’s discretion to allow additional presentations.
- 5. Review minutes of previous meeting and review of minutes from interim meeting**

Motion to approve minutes from previous meeting Frank Barber (eSilicon), Mike Dudek (JDSU).

6. Review old action items

No old action items

7. Call for patents

The chair showed presentation 08-406v0. The presentation was also on the USB stick that was distributed.

8. New discussions/presentations

8.1 Simulation-based analysis of the jitter at the 16GFC Delta T point, Adam Healey (LSI), 09-073v0

Pervez from LSI made the presentation. Simulations were run to try and determine what the DDPWS and DDj specification should be. The simulations were run on 50mm, 150mm, 200mm and 300mm length board traces. Three different package models were used. The DDPWS and eye opening versus de-emphasis was plotted for the different length channels (for the three different package models). DDj versus DDPWS was also plotted for the three different channel models. The results of the simulation show that a DDPWS of 0.11UI seems achievable. The DDj was as high as 0.224UI for the minimum appropriate eye opening. Some questions were asked, i.e. what should the eye opening be at the delta T point.

8.2FC-PI-5 1490nm SM PMD Specification, Tom Palkert, Luxtera, 09-062v0

This presentation was made in the electrical ad hoc due to lack of time in the optical ad hoc. This is the 1490nm 2km variant. Tables were reviewed.

9. Project Review

FC-PI-3: No report

MSQS: No report

10. Review action items

Dean Wallace(QLogic) will provide Touchstone trace model for switch traces at next meeting. Carry over.

11. Next meeting schedule

The next meeting is Wednesday April 1st in Memphis, TN. The electrical ad hoc has been combined with the optical ad hoc to form a FC-PI-5 meeting that will meet from 9am to 4:30pm.

Request two teleconference calls.

12. Motion to adjourn

Operating under the procedures of the American National Standards Institute. INCITS SECRETARIAT, Information Technology Industry Council (ITI), 1250 Eye street NW, Suite 200, Washington DC, 20005-3922, Email: incits@itic.org Telephone 202-737-8888, FAX 202-638-4922

Motion to adjourn: Mike Dudek (JDSU), seconded by Richard Johnson (Finisar).