

Accredited Standards Committee*
INCITS, Information Technology

Doc. Number:
Date: 6/05/07
Project:
Reply to: Mike Jenkins
Dean Wallace

TO: MEMBERSHIP of T11.2

FROM: Mike Jenkins Chair Electrical Working Group
Dean Wallace Vice-chair Electrical Working Group
Dean Wallace Secretary Electrical Working Group

Subject: Approved minutes of electrical working group 6/05/07

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
 - 7.1. New business/presentations
8.
 - 8.1 Epsilon Point, (T11/07-312v0), Dean Wallace Qlogic, Pravin Patel IBM, Adam Healey LSI, Hossein Hashemi Emulex
 - 8.2 Baseline Proposal for Copper Direct Attach,(T11/07-325v0), AliGhiasi, Broadcom.
 - 8.3 Enhancing WDP,(T11/07-344v0), Adam Healey and Mark Marlett, LSI Corp.
9. Project review
 - 9.1 FC-PI-3

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- 9.2 FC-PI-4
- 10. Old business/presentations
- 11. New business
- 12. Review action items
- 13. Next meeting schedule
- 14. Adjourn

RESULTS OF MEETING

1. Opening remarks and introductions*

Mike Jenkins, chair, led the meeting. He opened the meeting at 2pm on Tuesday. Mike thanked the host Horst Truedtedt. 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:

NAME	COMPANY	TELEPHONE NUMBER
Greg McSorley	Amphenol	508-829-6523
Tom Lindsay	ClariPhy	425-608-0209
Hossein Hashemi	Emulex	714-885-3609
Bill Schuman	Emulex	425-806-4046
Dan Kossowski	Finisar	408-548-1000
Justin Abbott	Gennum	613-270-0458
Dan Colegrove	Hitachi	702-614-6119
John Ewen	IBM	507-253-1283
Pravin Patel	IBM	919-543-3837
Dave Lewis	JDSU	408-546-5448
Adam Healey	LSI Logic	978-691-3067
Mike Jenkins	LSI Logic	408-433-7901
Mike Dudek	Picolight	303-530-3189
Richard Johnson	Mergeoptics	408-480-0347
Galen Fromm	Molex	630-718-5270
Mike Dudek	Picolight	303-530-3189

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Rick Hernandez	PMC-Sierra	408-553-4187
Doug Hopperstad	QLogic	952-932-4007
Dean Wallace	Qlogic	949-389-6480
Al Krammer	Seagate	952-402-2624
Tom Skaar	Seagate	952-402-3161
Mossimo Pozzoni	ST microelectronics	0390293519714
Rajeev Jain	TI	214-480-2778
Kevin Voegele	Toshiba	952-842-2476
Andrew Nowak	Tyco	508-752-2884
Mike Fogg	Tyco	717-986-5802
George Noh	Vitesse	805-445-2247
Tom Palkert	Luxtera	952-401-7997

3. Approval of Agenda*

The agenda was approved by acclimation.

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

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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, Tom Palkert (Luxtera), seconded by Al Krammer (Seagate). There was no objection to approving the minutes.

Minutes from interim meeting were reviewed.

6. Review old action items

There were no old action items.

7. Call for patents

The chair noted that the formal call for patents is issues at the T11.2 and T11 plenary meetings. Companies with patents that may bear on the subject of this ad hoc are advised to consider this call for patents. There was no response for this call for patents.

8. New discussions/presentations

8.1 Epsilon Point, (T11/07-312v1), Dean Wallace QLogic, Pravin Patel IBM, Adam Healey LSI, Hossein Hashemi Emulex.

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The Epsilon point methodology was reviewed. The idea was not to review the numbers but to make sure that the parameters were properly specified. The following motion was made.

Motion : Dean Wallace QLogic, seconded Hossein Hashemi Emulex

Use the methodology proposed in presentation 07-312v1 as a basis for Epsilon point specifications.

Yes: 20 No: 0 Abstain: 6

The motion passes. The numbers for the Epsilon points will be provided by the July interim meeting.

8.2 Baseline Proposal for Copper Direct Attach,(T11/07-325v0), Ali Ghiasi,Broadcom.*

SFP direct attach presentation. The reference receiver for 10meters needs to be a (4,4). Where did the 10 meter requirement come from? This distance isn't a make or break. Want to drop this in without major changes to existing delta point specs.

Reviewed SDD21 and SDD11 for ten meters of cable and 7 meters of cable. The insertion loss for the 10 meter was about -23dB. Will probably need to do a distance less than 10 meters.

The question was raised as whether or not another delta variant should be defined. If the existing numbers were used it was assumed that a length of 3 meters to 5 meters could be obtained.

A VMA specification needs to be added for the transmitter and possibly a host crosstalk specification.

8.3 Enhancing WDP,(T11/07-344v0), Adam Healey&Mark Marlett, LSI Corp

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Enhancements quantify the non-compensable DDj in addition to WDP. NC-DDj can replace DDj in the deterministic jitter allowance. Host interconnect allocation via stressor Hc(f). Have data dependant phase tracking error allocation via TRU model.

Adam reviewed the specification table.

9. Project Review

FC-PI-3: No action.

FC-PI-4:

10. Old business/presentations

No old business.

11. New business*

No new business.

12. Review action items

Provide numbers for Epsilon point by the July interim meeting (Adam, Pravin, Dean etc.).

Pravin Patel (IBM) to provide channel impulse response and Touchstone files for channel used in Epsilon presentation.

13. Next meeting schedule

The next meeting is Tuesday August 7th from 2pm to 5:00pm in Seattle.

Request an interim meeting on July 10 and 11.

Request two teleconference.

14. Motion to adjourn

Motion to adjourn: Hossein Hashemi (Emulex) seconded by Patrick Casher (Molex).

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