

Document number: T11/00-737v0
To: T11.2, T11.3, T11
From: Dennis Moore
Date: December 6, 2000
Subject: Minutes of T11.2/T11.3 joint meeting, December 5, 2000, Austin, TX

1. Preliminaries to the meeting

The meeting was called to order at 5:45pm in Austin, TX

1.1 Introductions

2. Corrections and additions to Agenda

There were several additions to the agenda as noted below.

3. Approval of Minutes

Minutes of the October 3, 2000 Meeting (T11/00-643v0) approved as posted

3.1 Announcement of Secretary

Dennis Moore (Adaptec) has agreed to undertake the Secretarial duties for the Joint T11.2/.3 meetings.

4. Review of old action items

- 1) Craig Stuber - Define usage of primitives for the XAUI interface. Completed (T11/00-651v0)
- 2) Bob Snively - Take letter for Mr. Thatcher (IEEE) to T11 for approval to forward. Completed (T11/00-676v0)

5. Call for patents (See T11/00-363v0.htm)

6. Scheduled Business

6.1 Frequency agility study group status - (Bill Ham, Compaq)

Indicates that 00-544v8 was accepted as the input to FS and Jim Nelson will incorporate. Any new work will be based on letter ballot comments as FS goes thru the process. FS is expected to go to letter ballot after the February Meeting.

6.2 10 GFC document status (Taborek, NSerial) 00-716v0

Initial draft 0.1 (00-602v0) is on the web available for download. Framemaker templates are available for use by clause editors. It is REQUIRED to use Frame for editing. IEEE P802.3ae is heavily referenced and

is available in a password protected file (T11/00-710v0.zip). See the Chair if you think you need the password. Rich showed the current clause breakdown and what is in each and who the editor and sub-editors are. He also asked for volunteers for the Electrical and Port Management clauses. Draft 2.0 of the IEEE 802.3ae is in task force ballot till 1/5/01. T11 is free to comment on the draft if you see anything that impacts 10GFC.

6.2.1 Discussion of 10 GFC schedule (Taborek) -

The schedule shows that the Standard is set to complete in June 2002.

6.2.2 Liaison letter (T11/00-676v0, Taborek)

Letter was accepted and T11 now have access to the IEEE via password. Thanks to all involved for making it happen.

6.3 Discussion of primitive requirements (T11/00-651v0)

Craig Stuber (JNI) explained the Ordered Set mapping for 10Gig vs. current FC-FS. A question was raised about running disparity, it is not used on the individual lane. A question was raised about the scrambling gained for idles and what will happen with primitive sequences. There are things in place to handle that issue and it will be improved further with another proposal coming later (see 6.7 below). There is a question about how we handle ARB and IDLE given the fairness window. Rich pointed out that it was agreed not to support loop, so this should not be a problem. But if you do loop, it should still probably work, but, Craig will do additional research to verify.

6.4 10 GFC XAUI clock rate proposal - 3.125 Gbs (Don Ellis, Nortel)

Bob Snively (Brocade) and Craig Carlson (Qlogic) presented for Don Ellis his suggestion for being compatible with OC-192 rates in order to take advantage of work being done for other physical interfaces to allow things like SONET mapping. The difference is 3.125Gbs vs. the current 3.1875Gbs. There was some concern raised about the requirement for two crystals for the XGP module to do this and other issues with clock elasticity. There was a lot of discussion of various trade-offs in parts, speeds, costs, etc. Nortel will come to the February Meeting to give the rationale for their suggestion, be ready. Questions include why is there a requirement for WAN (WIS) stuff and can the parts work with the FC rates.

6.5 Link Status Reporting and Initialization (T11/00-711v1, Taborek)

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Has to do with passing fault conditions up and down the link. 10GFC has more sublayers and components that have to manage communication up and down stream than 1 or 2Gbs. Rich discussed the various things that can be checked and cause problems including local faults (LF) and remote faults (RF). Rich has asked that everyone review this proposal for inclusion in the base 10GFC at the next meeting.

7. Unscheduled Business

7.1 Link Scheduling for Native WAN, (00-694v0, Osamu Ishida, NTT)

Presentation to consider native WAN while leveraging SONET OAM&P (Operation, Administration, Maintenance & Provisioning) methodology. Requires new ordered sets and some other changes. Additional information will be uploaded and this will be considered again in February.

7.2 10 GFC WAN PHY (T11/00-381v2, Taborek)

Rich made a proposal to carry native Fibre Channel information over SONET/SDH MAN/WAN infrastructure, which has an install base with a specific architecture and specific signaling requirements. This takes advantage of the existing dark fiber that is already installed along with the equipment that manages it.

8. Next meeting requirements

The next meeting will be held from 5:30pm to 9:00pm on Tuesday, February 6, 2001 at the Hilton Waterfront Beach Resort, 21100 Pacific Coast Hwy, Huntington Beach, CA

9. Review of action items

1) Craig Stuber to research XAUI use of ordered sets for loop and see if there is a problem with new K character to D character alignment.

10. Adjournment

Meeting adjourned at 9:02pm

Attendance list for T11.2/T11.3 joint meetings, 12/5/00t

Here = Attended Meeting

GBE = Company has Rep at GBE.

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