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Reply to: Gene Milligan

To: Membership of T13
From: Lawrence J. Lamers, Secretary T13
Gene Milligan, Chair T13
Subject: Minutes of T13 Plenary #8
October 24, 1997 : Wailea, HI

Agenda

1. Opening Remarks 2
2. Approval of Agenda 2
3. Attendance and Membership 2
4. Document Distribution 3
5. Approval of prior plenary minutes 3
6. Review of Old Action Items 3
7. Working Group Reports 3
8. ATA/ATAPI-4 - Project 1153D 3
 - 8.1 Working Group Recommendations 3
 - 8.2 Approval of working draft 3
9. Enhanced BIOS Disk Drive Technical Report Project D1226 3
 - 9.1 Working Group Recommendations 3
 - 9.2 Approval of working draft 4
10. Tailgate Project 1248 4
 - 10.1 Working Group Recommendations 4
 - 10.2 Approval of working draft 4
11. Old Business 4
 - 11.1 T13 Reflector, ftp, and Web Site Setup [Hanan] 4
12. New Business 4
 - 12.1 NCITS [] () 4
13. Liaison Reports 5
 - 13.1 T10 5
 - 13.2 IEEE 1394 5
 - 13.3 SFF 5
14. Call for Patents 6

15. Open Issues List Summary	6
16. Review of Action Items	6
17. Meeting Schedule	6
17.2 Long term meeting schedule	6
Boulder, CO	6
18. Adjournment	7

Results of Meeting

1. Opening Remarks

Gene Milligan, the T13 Chairman, called the meeting to order at 9:00 a.m., Friday October 24, 1997. He thanked Mark Evans of Quantum for hosting the meeting.

Gene outlined the procedures for conducting meetings, voting rules, and membership application. He noted that the 1997 membership fee is \$300 and the CD-ROM mailing fee is \$300 (with extra copies at discount). Because of the costs to have paper copies generated, a paper mailing is \$900. These fees are for the US and Canada addresses. Other addresses are \$400 for the CD-ROM and \$1100 for paper.

As is customary, the people attending introduced themselves and a copy of the attendance list was circulated. Copies of the draft agenda and general information on T13 were made available to those attending.

2. Approval of Agenda

The list of recommendations from the working groups was expanded and the agenda approved, without objection, as reflected in these minutes.

3. Attendance and Membership

The membership requirements were reviewed. NCITS rules permit one vote per principal member organization. An individual from a new organization must attend two out of three consecutive plenary meetings. He/she may apply for voting membership, which can be granted at the second, or later, plenary meeting attended, via a letter to the Chair of T13. Working group meetings do not count toward attendance requirements.

Organizations must also pay the NCITS Service Fee (\$300) to maintain membership. If a voting member organization (Principal Member) fails to attend two out of three successive plenary meetings, the Chair is required to warn the voting member organization that they are in jeopardy of being terminated (changed from Principal Member to Observer). The Chair is also required to warn a Principal Member of their jeopardy if they fail to fill out and return two successive Letter Ballots.

The following organizations which were eligible for voting membership at this meeting re-joined T13: Symbios.

With these changes the T13 membership is up from 26 to 27 organizations. Enclosure (1) is the list of the people present at the meeting and enclosure (2) is the current T13 membership list.

4. Document Distribution

Members who have any problems with their mailing subscription should deal directly with Katrina Gray (kgray@itic.nw.dc.us) at (202) 626-5741.

Pete McLean requested that all documents for the next mailing be in his hands by 10:30 a.m. on Friday, November 7, 1997. Documents received too late will go into a subsequent mailing.

The current document register is enclosure (3).

5. Approval of prior plenary minutes

Document D97147r0 was approved without objection.

6. Review of Old Action Items

None.

7. Working Group Reports

The results of the ATA/ATAPI-4 ad hoc meetings since the last plenary are documented in the minutes for each of those meetings. The chair gave a brief summary of the ad hoc meetings held since the last plenary. The working groups resulted in the resolution of comments on the three projects that were letter balloted.

8. ATA/ATAPI-4 - Project 1153D

8.1 Working Group Recommendations

The Chair reviewed the recommendations contained in the minutes of the working groups since the last plenary.

The working group recommended changes to the comment resolution on ATA/ATAPI-4 (D97152) resulting in a rev 1. The letter ballot passed 21:2:0:3.

Dan Colegrove moved and Tony Goodfellow seconded that D97152r1 be accepted as the comment resolution for the ATA/ATAPI-4 letter ballot. The motion passed 17:0:0:10.

Larry Lamers stated that the resolution satisfied his comments and would change the no vote to yes. Tony Goodfellow stated that the resolution satisfied his comments and would change the no vote to yes.

The plenary agreed without objection that a minor revision number will be assigned as 17h.

8.2 Approval of working draft

ATA/ATAPI-4 rev 17 was accepted as the final working draft for project 1153 without objection.

9. Enhanced BIOS Disk Drive Technical Report Project D1226

9.1 Working Group Recommendations

The working group recommended that D97156r0 be accepted as the comment resolution for EDD. The letter ballot passed 21:0:0:5.

Ron Roberts moved and Mike Christensen seconded that D97156r0 be accepted as the comment resolution for the EDD letter ballot. The motion passed 17:0:0:10.

9.2 Approval of working draft

Enhanced BIOS Disk Drive Technical Report revision 7 was accepted as the final working draft for project 1226 without objection.

10. Tailgate Project 1248

10.1 Working Group Recommendations

The working group recommended that D97151r1 be accepted as the comment resolution for Tailgate. The letter ballot passed 17:1:0:8.

The chair stated that he was advised by NCITS to include a note in the patent statement page pointing to the normative reference clause and in the normative reference clause to see 1394's patent statement. The comment resolution will be revised to include this.

Tom Hanan moved and Greg Elkins seconded that D97151r2 be accepted as the comment resolution for the Tailgate letter ballot. The motion passed 17:0:0:10.

10.2 Approval of working draft

Tailgate revision 5 was accepted as the final working draft for project 1248 without objection.

11. Old Business

11.1 T13 Reflector, ftp, and Web Site Setup [Hanan]

Committee information can be accessed via the ftp site [x3t13.dt.wdc.com/t13](ftp://x3t13.dt.wdc.com/t13)

The web site access via www.t13.org is not activated yet.

The reflector is x3t13@dt.wdc.com. Subscriptions to the reflector should be sent to majordomo@dt.wdc.com, with "subscribe t13" in the body.

There is an issue with the ftp site regarding the location of the project directory; the problem is with the alias. The problem is being worked on and is expected to be fixed shortly.

Dan Colegrove and Tom Hanan will work on updating the ftp site and creating a web site link setup.

There is an issue with the T13 and X3T13 reflectors; they are different today, but will be merged and X3T13 will become an alias for T13.

12. New Business

12.1 NCITS [] ()

The chair reported that there was a letter ballot on new policies and procedures for NCITS and its TC's. There was a major revision to the SD-2 and he had commented on it to the secretariat. The revised wording bases the letter ballot participation on a percentage basis.

Document retention - Larry Lamers reported that NCITS had informed T10 of the need to develop a document retention policy.

Corporate membership - Larry Lamers reported that T10 had requested a corporate membership option in addition to the individual membership.

The group consensus was to eliminate the paper mailing option and retain the CD option.

13. Liaison Reports

13.1 T10

John Lohmeyer submitted the following T10 Report - October 2, 1997.

T10 met in Nashua, NH Thursday September 11, 1997 with 50 people present. Membership is now at 54 voting organizations.

T10 voted to forward a project proposal for a Reduced Block Commands (RBC) project to NCITS. The RBC will be a simplification of the SCSI Block Commands and is targeted at low-end systems. The SCSI Transport via SBP-2 information is now being included in an Annex of SBP-2, so we requested that project number 1240-D be re-assigned to RBC.

The letter ballots on forwarding the SCSI-3 Medium Changer Commands (SMC) and the SCSI Controller Commands - 2 (SCC-2) to first public review passed. The SMC comments were resolved and SMC Rev 10 was forwarded to NCITS. We expect to resolve the SCC-2 comments in November.

Resolution of the SCSI-3 Stream Commands (SSC) letter ballot comments are still pending.

NCITS letter ballots on approving MMC, SSA-PH2, SSA-TL2, and SSA-S3P all close October 28.

There is on-going activity in defining still higher data rates (probably Fast-80) and in reducing the protocol overhead in SCSI. A well-received proposal from Jeff Williams and George Penokie documents a packetized protocol for parallel SCSI that is modeled on FCP (see <http://www.symbios.com/t10/io/t10/document.97/97-230r0.pdf>).

The next plenary meeting of T10 will be November 6, 1997 in Palm Springs, CA at the Hyatt Regency Suites (619-322-9000), hosted by Adaptec. The meeting will begin at 1:30 p.m. Several ad hoc meetings are also scheduled earlier that week. Interim Ad Hoc meetings were also scheduled as follows:

Event	Date(s)	Location/contact
-----	-----	-----
SBP-2 WG	Oct 7 (Tue)	Irvine / SSI
MMC-2 WG	Oct 6-7 (Mon-Tue)	Longmont / Philips
SPI-2 Edit	Oct 14 (Tue)	Colorado Springs / Symbios Logic

Beginning in March 1998, T10 will likely start its plenary meeting at 9:00 a.m. The Chair may institute the Milligan Policy if attendance problems are observed at the end of the meeting. (Those missing roll-call votes did not attend the meeting.)

13.2 IEEE 1394

Pete McLean reported that the projects related to 1394, were progressing within T10. A new project was submitted for a Reduced Block Command set.

13.3 SFF

Gene Milligan reported that SFF is currently balloting the 40-pin connector and 80-conductor cable.

14. Call for Patents

This is a regular agenda item to identify any potential patent issues with developing standards.

A document is available from ANSI, "Procedures for the Development and Coordination of American National Standards", at no charge. Annex I contains the ANSI patent policy.

The Chair requested that any participant aware of patents or patent disclosures that may be required to comply with any publications resulting from T13 projects provide an early disclosure of such patent and offer to license such patents under reasonable and non-discriminatory conditions in accordance with the ANSI Patent Policy. No additional patents were identified by the attendees in response to this call.

15. Open Issues List Summary

None.

16. Review of Action Items

- 62) Tom Hanan to correct reflector, ftp and web sites issues.
- 63) Peter McLean to generate rev 17 of ATA/ATAPI-4.
- 64) John Hanmann to generate rev 5 of Tailgate.
- 65) Gene Milligan to forward ATA/ATAPI-4 to NCITS for public review.
- 66) Gene Milligan to forward Tailgate to NCITS for public review.
- 67) Gene Milligan to forward EDD to NCITS for public review.
- 68) Gene Milligan to advise NCITS that T13 wants a corporate membership option, and that they paper mailing option is no longer needed.

17. Meeting Schedule

The next plenary meeting of T13 will be February 17, 1998 at the Marriot Hotel in Ft. Collins, CO, hosted by Symbios.

17.2 Long term meeting schedule

The group agreed unanimously cancel the December and March meetings and to change the meeting week for October '98 to the week of the 26th to accommodate the hotel constraints.

The group agreed unanimously to change the format so that the plenary meeting starts on Tuesday, at 9:00 am, and recesses for the working group if needed. The plenary will reconvene no later than Friday at 9:00 am.

Date	Location	Host	Contact
February 17-20, 1998*	Ft. Collins	Symbios Logic	Dave Evans
April 14-17, 1998 *	San Jose, CA	Seagate	Marc Noblitt
<i>May 20-22, 1998+</i>			<i>Marc Noblitt</i>
June 16-19, 1998*	Irvine, CA	Western Digital	Tom Hanan
<i>July 22-24, 1998 +</i>			<i>Marc Noblitt</i>
August 18-21, 1998*	Boulder, CO	Maxtor	Pete McLean
<i>September 23-25, 1998+</i>			<i>Curtis Stevens</i>
October 26-30, 1998*	Wailea, Maui, HI	Quantum	Mark Evans
December 1-4, 1998*	Irvine, CA	Western Digital	Tom Hanan

* indicates that Friday will be used for the plenary meeting.

+ indicates this meeting is tentative and may be canceled.

18. Adjournment

The meeting was adjourned upon completion of all agenda items.

Meeting Attendees -- Enclosure (1)

Charles	Brill	AMP, Inc.	P
Lawrence	Lamers	Adaptec, Inc.	A1
Ron	Roberts	Apple Computer	A
Ian	Morrell	Circuit Assembly Corp.	Q
Hale	Landis	Consultant	P
Robert	Liu	Fujitsu Computer Products	P
Tony	Goodfellow	GSI	P
Anthony	Yang	Hitachi America Ltd.	P
Dan	Colegrove	IBM Corp.	P
Ron	Stephens	Iomega Corp.	A
Pete	McLean	Maxtor Corp.	P
Mike	Christensen	Phoenix Technologies	A
Greg	Elkins	QLogic Corp.	P
Mark	Evans	Quantum Corp.	P
Gene	Milligan	Seagate Technology	P
Marc	Noblitt	Seagate Technology	A
Paresh	Sheth	Silicon Systems Inc.	P
Mike	Winchell	Symbios Logic	P
Tokuyuki	Totani	Toshiba America Info.	P
Tom	Hanan	Western Digital Corp.	P

T13 Attendance Database - Enclosure (2)

ORGANIZATIONAL ATTENDANCE AT LAST THREE MEETINGS				-----+	
INDIVIDUAL ATTENDANCE				-----+	
				\	\
Charles	Brill	AMP, Inc.	P	5	3
Richard	Kalish	Adaptec, Inc.	P	6	3
Lawrence	Lamers	Adaptec, Inc.	A1	8	3
Ron	Roberts	Apple Computer	A	7	3
Richard	Schnell	Apple Computer	P	0	3
William	Benson	Avatar Systems Corp.	O	0	0
Jeff	Chen	Award Software Intl.	A	0	2
George	Huang	Award Software Intl.	P	0	2
Raymond	Liang	CMD Technology	A	4	2
Victor	Siu	CMD Technology	P	1	2
Ben	Chang	Cirrus Logic Inc.	P	4	1
Ken	Bush	Compaq Computer Corp.	O		0
Hale	Landis	Consultant	P	8	3
Irv	Tjomsland	Consultant	G	2	1
Paul	Raikunen	Digital	P	7	2
Andy	Chen	Fujitsu	A	0	3
Robert	Liu	Fujitsu Computer Products	P	4	3
Tony	Goodfellow	GSI	P	6	3
Richard	Harcourt	GSI	A1	1	3
John	Moore	Hewlett Packard Co.	A	0	0
J. R.	Sims	Hewlett Packard Co.	P	4	0
Anthony	Yang	Hitachi America Ltd.	P	6	3
Hitoshi	Ogawa	Hitachi Ltd.	O	0	3
Quang	Vuong	Hitachi Storage Products	A	0	3
Dan	Colegrove	IBM Corp.	P	8	3
Duncan	Penman	IIX Consulting	O	3	0
George	Blattner	Imation	O	1	0
John	Blagaila	Integral Peripheral	O	0	0
Darrell	Redford	Iomega Corp.	P	0	3
Ron	Stephens	Iomega Corp.	A	5	3
LeRoy	Leach	Maxtor Corp.	A	1	3
Pete	McLean	Maxtor Corp.	P	7	3
Darrin	Bulik	Micro House Int.	O	3	0
Chris	Smith	NEC Systems Laboratory	O	0	0
Son	Ho	Neomagic Corp.	O	3	2
Lance	Flake	O.R. Technology	P	1	1
Christopher	Mayne	O.R. Technology	A	2	1
Joe	Chen	Oak Technology	A2	2	1
Lam	Dang	Oak Technology	A1	0	1
Dan	Salmonsens	Oak Technology	P	0	1
Stephen	Heil	Panasonic Technologies	O	0	0
Mike	Christensen	Phoenix Technologies	A	3	3
Curtis	Stevens	Phoenix Technologies	P	5	3
Skip	Jones	QLogic	A	0	3
Greg	Elkins	QLogic Corp.	P	6	3
Mark	Evans	Quantum Corp.	P	8	3
James	McGrath	Quantum Corp.	A1	1	3
Kenichi	Kojima	Sanyo Electric Co Ltd	P	4	1
John	Masiewicz	Seagate Technology	A	1	3
Gene	Milligan	Seagate Technology	P	8	3
Marc	Noblitt	Seagate Technology	A	7	3
Paresh	Sheth	Silicon Systems Inc.	P	2	3
Yogi	Schaffner	Silicon Systems, Inc.	A	4	3
Rich	Wahler	Standard Microsystems Corp	O	0	0
Alan	Longo	SyQuest Technology Corp	P	0	2
Patrick	Mercer	SyQuest Technology Corp	A	4	2
David	Evans	Symbios Logic	A	3	3
Mike	Winchell	Symbios Logic	P	3	3
Tokuyuki	Totani	Toshiba America Info.	P	6	3
Ken	Hallam	Unisys Corp.	O	0	0
Carl	Bonke	Western Digital Corp.	A2	1	3

ORGANIZATIONAL ATTENDANCE AT LAST THREE MEETINGS				----	+
INDIVIDUAL ATTENDANCE				----	+
				\	\
Tom	Hanan	Western Digital Corp.	P	v	v
Devon	Worrell	Western Digital Corp.	A1	8	3
Masa	Morizumi	Yamaha	O	2	3
				1	0

