

Minutes of T11.1 Plenary meeting #3
December 10, 1997
Orlando, FL

1. Opening remarks and introductions

The acting Chairman, Don Tolmie of Los Alamos National Laboratory, opened this meeting at 6:00 PM and thanked Roger Cummings and DPT for hosting this meeting. Don lead a round of introductions. The list of attendees is at the end of these minutes.

These minutes are separate from the HIPPI working group, and HIPPI-6400 Optical working meeting, minutes. Don volunteered to produce the minutes.

2. Review / modify the draft agenda

Draft agendas were distributed via e-mail before the meeting and hard copies were distributed at the meeting. No changes were made at the meeting.

3. Attendance and membership

The membership and voting rules were reviewed. (See the web page at <http://www.x3.org/>, look under Standing Documents, then SD2, for our operating procedures including a detailed explanation of the membership rules). The following membership changes were made at this meeting:

Greg Huff replaces Francois Gaullier as the principal for Hewlett-Packard; Steve Joiner remains the alternate.

Optabahn requested T11.1 membership (at the working meeting), but was not present at the Plenary. Optabahn's membership will not become active until they attend a Plenary.

The T11.1 membership remains as 10 organizations.

4. Document distribution

Don described the HIPPI web page at <http://www.cic-5.lanl.gov/~det/>, stating that the appropriate documents would be placed there, and encouraged people to pick up the documents before the meeting as extra documents would not be available at the meeting.

5. Review minutes of previous meeting

The minutes of the October 8, 1997, T11.1 Plenary in Tucson were reviewed. Jeff Young moved, and Joe Parker seconded, to approve the October 8, 1997, T11.1 minutes as written. Motion passed unanimously.

6. Review old action items

1. Don Tolmie to update HIPPI-6400-PH and HIPPI-FP with the T11 and T11.1 developers lists and produce a clean copy for forwarding. (Done)
2. Roger Ronald to update HIPPI-6400-SC with the T11 and T11.1 developers lists and produce a clean copy for forwarding. (Done)
3. Don Tolmie to forward HIPPI-6400-PH Rev 1.9, HIPPI-6400-SC Rev 1.7, and HIPPI-FP Rev 4.7, to T11 for a letter ballot and further processing. (Done)

7. Liaison reports

7.1 T11

Roger Cummings, T11 Chairman, gave a detailed report, parts of which are included here. T11 met on October 9, 1997 with 92 people in attendance. The T11 membership is 84 organizations. It was noted that the T11 Letter Ballots for HIPPI-6400-PH, HIPPI-6400-SC, and HIPPI-FP all passed with no negative votes. The Call for Chairs for TGs T11.1 & T11.2 closed 12/5/97, with only one applicant for each. T11 is instituting a new web page at www.t11.org, and will be using CD-ROMs or paper for the T11 mailings after the February mailing. Electronic voting on letter ballots will also be supported.

Roger cautioned that people need to keep track of the invoice number from NCITS when they pay their T11 and T11.1 fees. The number will be used later as a password to allow a member to update their information in the membership data base.

7.2 HNF

The HNF held its annual meeting at Supercomputing'97 in San Jose in November. New members for the HNF Board of Directors were elected. The Board of Directors for 1998 includes: Carl Pick of Genroco (Chairman), Roger Ronald of Raytheon/E-Systems (Vice Chairman), Michael McGowen of Essential Communications (President), Arie van Praag of CERN, Mike Chastain of Hewlett-Packard, Don Tolmie of Los Alamos, Jan Hauser of Sun Microsystems, Kon Leong of Gigalabs, and Bob Willard of Digital Equipment Corp. Lisa Freitas of Abba is the HNF Administrator.

7.3 Other liaison reports

None

8. Patent issues

8.1 Hewlett-Packard patents against HIPPI-6400-PH and ST

The Hewlett-Packard patent claims against the 4B/5B coding scheme in HIPPI-6400-PH have been resolved. Haluk Aytac of Hewlett-Packard signed the ANSI patent forms and Don Tolmie forwarded them to ANSI for their records. HP had previously provided a letter releasing the patents for use in HIPPI-6400, but alas they were not on the proper form. Now everything is complete for these patents.

The HP patent claims against ST are still being worked on by Hewlett-Packard and SGI.

8.2 Call for other patents

A call was issued for disclosure of the existence of patents required to implement any and all HIPPI standards. It is necessary for the patent holders to agree to license those patents in conformance with the ANSI patent policy if the project on which they apply is to proceed. T11 and its Task Groups are not involved in this process at all other than to issue the call and forward paperwork.

The contact at ANSI is the General Counsel, Ms. Amy Marasco - (212) 642-4954 or amarasco@ansi.org. A patent policy description is at www.ansi.org/proctbl.html, section 1.2.11.

No new patent claims were made at this meeting.

9. Review and act on projects in ANSI development phase

9.1 Scheduled Transfer Protocol

9.4.1 Working Group activity

Rev 1.3 was reviewed at the December meeting. Changes to correct and refine the document continue. Probably the most significant change is providing space for an end-to-end checksum.

9.2 HIPPI-6400-OPT

9.2.1 T11.2 (Physical Variant) activity

The Optobahn material for 1300-nm optics modules were included in the latest document revision, and reviewed at the December 9, 1997, HIPPI-6400 Optical ad hoc Working Meeting. HIPPI-6400-OPT Rev 0.2 was reviewed and changes agreed to. The major change is to split out the 1300-nm optics into a separate table instead of lumping the short and long wavelengths in one table.

While the pace of progress on HIPPI-6400-OPT is not as rapid as some of our other documents it was felt that there was no need for a crash program at this time.

10. Review projects in approval phase

10.1 HIPPI-6400-PH

HIPPI-6400-PH Rev 1.9 passed its T11 Letter Ballot on November 21 with a vote of 68 for, 0 opposed, and 16 not voting. Comments were received with three of the "for" votes. Changes were made to the document to satisfy the comments. The HIPPI working group recommended that Rev 2.1 be held to allow further testing of the SuMAC chip and resolution of potential connector problems before forwarding for further processing, i.e., OMC review and first public review.

10.2 HIPPI-6400-SC

HIPPI-6400-SC Rev 1.7 passed its T11 Letter Ballot on November 21 with a vote of 69 for, 0 opposed, and 15 not voting. Comments were received with two of the "for" votes. Changes were made to the document to satisfy the comments. The HIPPI working group recommended that Rev 1.8 be held to

allow further testing of the SuMAC chip before forwarding for further processing, i.e., OMC review and first public review.

10.3 HIPPI-FP Revision

HIPPI-FP Rev 4.7 passed its T11 Letter Ballot on November 21 with a vote of 69 for, 0 opposed, and 15 not voting. Comments were received with two of the "for" votes. Changes were made to the document to satisfy the comments, and the HIPPI working group recommended, by a vote of 9 for and 0 opposed, that Rev 4.8 be forwarded for further processing, i.e., OMC review and first public review.

Bob Willard moved, and Roger Ronald seconded, that T11.1 accept the comment resolutions and forward HIPPI-FP Rev 4.8 to T11 for further processing as a draft American National Standard. Motion passed, 7 for, 0 opposed, and 3 not voting. This meets the 2/3 rule.

11. Review other HIPPI-related items

There was nothing new, or any action taken, on any of the following activities:

- ARP over HIPPI-800
- HIPPI end-point MIB
- HIPPI switch MIB
- HIPPI-6400 MIB
- HIPPI-6400 ARP and IP RFC
- IEEE Tutorial for HIPPI-6400 ULA usage

12. New business and new technical items

No new business.

13. Administrative matters

13.1 Call for officers

The NCITS call for the T11.1 Chairman closed December 5, 1997. As far as we know, only Don Tolmie has applied. A NCITS letter ballot may be required to complete this action, but it is outside our purview.

14. Future meeting schedule

14.1 Interim meeting, January 13-14, Mountain View, CA

The next interim working meeting will be hosted by Greg Chesson and SGI in Mountain View, CA. No venue details were available at this meeting – watch the e-mail for the announcement. Since there is no specific meeting hotel, and hotel rooms in Silicon Valley are scarce, people were encouraged to make their hotel reservations as soon as possible.

We had planned for a 3-day meeting based on the assumption that there would be a considerable number of HIPPI-6400 Letter Ballot comments to resolve. Now that the ballots have closed, and the comments were minimal and already taken care of, the January meeting was cut back to two days.

Tuesday - January 13 : 1 PM - 9 PM

Wednesday - January 14 : 8 AM - 9 PM

14.2 Plenary week, February 10-11, San Diego, CA

The next working meeting will be at the Hyatt Islandia (Mission Bay), 1441 Quivira Road, San Diego, CA 92109, phone (619) 224-1234. Skip Jones and QLogic are the host. The group name for reservations is American National Standards Institute and the group room rate is \$123 plus 10.5% tax. The reservation cutoff date is January 9, 1998. (See the meeting announcement on the web page at <http://www.cic-5.lanl.gov/~det/> for further details.)

Tuesday - February 10 :

9 AM – 6 PM : HIPPI working meeting

6 PM – 9 PM : HIPPI-6400 Optical

Wednesday - February 11 :

9 AM – 6 PM : HIPPI working meeting

6 PM – 8 PM : T11.1 Plenary

14.3 Future meeting dates and locations

The T11.1 (i.e., HIPPI), Plenary meeting will be on Wednesday evening of the T11 Plenary week, following the HIPPI working meetings.

The 1998 schedule is firm. Note that T11 schedules the plenary meetings. Hopefully HIPPI-6400 will be far enough along that we will not continue to need interim working meetings after March; the May date

is tentative and will be firmed up as we see the need. Recent additions and changes are underlined and bold.

1998 -

Mar 10-12	Interim	Minneapolis	Cray
Apr 21-22	Plenary	Palm Springs, CA	Brocade
May 12-13	Interim	Mt. View, CA	SGI
Jun 9-10	Plenary	St. Petersburg Beach, FL	AMP
Aug 11-12	Plenary	Portsmouth, UK	Xyratex
Oct 6-7	Plenary	Ft. Lauderdale, FL	Adaptec
Dec 14-18	Plenary	Tucson	FSI

All of the 1999 schedule is new, and just includes the Plenary weeks; no interim working meetings are scheduled yet. Meeting locations and hosts marked with (?) are tentative at this time. The meetings in bold underline without a (?) have been firmed up. Note that the HIPPI and T11.1 meeting days are not specified; they will be somewhere within the Plenary week.

1999 -

Feb 8-12	Plenary	San Diego, CA	Qlogic
Apr 5-9	Plenary	Palm Springs, CA	Brocade
Jun 7-11	Plenary	Minneapolis, MN (?)	Ancor
Aug 2-6	Plenary	Rochester, MN (?)	ENDL
Oct 4-8	Plenary	Ft. Lauderdale, FL	Adaptec
Dec 6-10	Plenary	Lake Tahoe, CA (?)	Solution

15. Review action items

1. Don Tolmie to take the necessary actions to get HIPPI-FP Rev 4.8 through T11 and into first public review.

16. Adjournment

The meeting adjourned at 6:50 PM on December 10.

Notes from October T11 Plenary

The T11 Plenary met the next day, i.e., December 11. HIPPI related items are reported here for your convenience, the definitive record is the T11 minutes.

T11 voted 61 for, 0 opposed, and 22 absent, to accept the comment resolutions against HIPPI-FP Rev 4.7, and forward HIPPI-FP Rev 4.8 for an OMC review and NCITS first public review.

T11 is implementing an electronic document distribution scheme, somewhat similar to what the HIPPI group has been using for some time. A change will be that the T11 membership invoices coming out shortly will offer CD-ROM disks or the traditional paper (with the paper cost quite high). Two CD-ROM options will be offered, one with just the information for that month's meeting, and the other with all of the documents for the last two years. Electronic distribution means that people MUST provide their presentation material before the meeting.

Attendance

Jeff Young	A	Cray Research Inc.	612-683-5536	jsy@cray.com
Gordon Boyd	A	Digital Equipment Corp.	603-884-1309	boyd@solvit.enet.dec.com
Bob Willard	P	Digital Equipment Corp.	978-493-5482	bob.willard@digital.com
Roger Cummings	P	DPT	407-830-5322 x348	cummings_roger@dpt.com
Greg Huff	P	Hewlett-Packard	972-497-4530	huff@convex.hp.com
Don Tolmie	P	Los Alamos National Lab.	505-667-5502	det@lanl.gov
Joe Parker	P	Optivision Inc.	650-855-1775	parker@optivision.com
Roger Ronald	P	Raytheon E-Systems	972-205-8043	rronald@esy.com
Greg Chesson	P	Silicon Graphics	650-933-3496	greg@sgi.com

P = Principal, A = Alternate, O = Observer