

Minutes of T11.1 Plenary meeting #6  
June 10, 1998  
St. Petersburg Beach, FL

## **1. Opening remarks and introductions**

The T11.1 Chairman, Don Tolmie of Los Alamos National Laboratory, opened this meeting at 6:30 PM and thanked Chuck Brill and AMP 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 additions or 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 member organizations were in jeopardy for failure to attend meetings:

Optivision (not present, so lost membership)

Don Woelz replaced Brian Breuer as the alternate member for Genroco.

Craig Warner was the designated HP member for this meeting.

No organizations are in jeopardy of losing their membership in August if they are not present at the August T11.1 Plenary meeting.

## **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 April 22, 1998, T11.1 Plenary in Palm Springs were reviewed.

Jeff Young moved, and Don Woelz seconded, to approve the April 22, 1998, T11.1 minutes as written. Motion passed unanimously.

## **6. Review old action items**

The action items from the April meeting were reviewed.

1. Don Tolmie to present T11.1's recommendation that T11 further the processing of the X3.210, HIPPI-FP. (Done)
2. Greg Chesson to check on the July meeting location with Bob Willard and Barney Maccabe. (Done)

## **7. Liaison reports**

### **7.1 T11**

Roger Cummings, T11 Chairman, gave a detailed report, parts of which are included here.

- 79 people attended the April T11 plenary. Pathlight and Troika Networks gained membership. Optivision, Systran and TI lost membership. Siecor resigned. T11 membership is now 80 organizations (total attendance of 142 people for the week).

- Revised HIPPI-FP (NCITS 210:199x) forwarded by T11 in 4/98 for final approval by Y56-N00-DNV24. (It passed mgmt review at 5/98 OMC, will be voted on at 7/98 NCITS meeting)

- US delegation to the SC 25/WG 4 meeting authorized by T11 in 4/98 to vote yes on FC-FP (HIPPI-FP over FC-PH) by roll call vote of Y57-N00-DNV21.

- Project Proposals forwarded by T11 in 4/98 were FC-FS (Y46-N00-DNV39) and FC-VI (Y50-N00-DNV30). Both will be considered at 7/98 NCITS meeting

- T11 voted Y18-N16-A10-DNV36 in 4/98 to require FTP filenames to match the document number (yy-xxxvz) on the T11 web page.

- T11 electronic mailing procedures (98-050v1) were adopted unanimously

- Organizational meetings of T11.3 and T11.4 were held. Calls for volunteers for T11.3 Chair and T11.4 Chair was issued

- The First Public Reviews of HIPPI-6400-PH and HIPPI-6400-SC (NCITS 323 and 324 respectively) closed on 6/9/98 with the only comments coming from T11.1.

- 5/98 electronic T11 mailing is downloadable from ftp.t11.org/admin/mailings (11.5 MB zip file)

- T11 "electronic" letter ballots closed on 5/30/98 as follows:

- o FC-10KCR for First Public Review - Y57-N01-DNV22 (5Y with comments)

- o Jitter Methodology for First Public Review - Y56-N01-DNV23 (6Y with comments)

- Please submit all documents and drafts for the next mailing to ftp.t11.org/t11/member/incoming using the t11member user id (and obtain a document number from www.t11.org using the "docs" link) before 1159pm PST on 6/25/98. Password information can be obtained from <http://www.t11.org/t11moran.html>.

## **7.2 HNF**

No HNF report was received.

## **7.3 ISO report**

At the April T11 Plenary meeting, the T11 International Representative, Gene Milligan, asked T11.1 to identify a document editor for processing T11.1 documents in ISO since Don Tolmie is retiring. (Roger Ronald has volunteered.)

## **7.4 Other liaison reports**

None

## **8. Patent issues**

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

Mike Andrewartha reported that work is proceeding on obtaining the patent releases, with things going better now than in the past. He felt that we should easily have the release before December (given as a boggy date for forwarding the ST document).

### **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](mailto:amarasco@ansi.org). A patent policy description is at [www.ansi.org/proctbl.html](http://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**

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### **9.1 Scheduled Transfer Protocol**

#### **9.1.1 Working Group activity**

Rev 1.9 was reviewed at the June meeting. Changes to correct and refine the document continue. Recent changes include further optional payload functions, and other informative annex material.

## **9.2 HIPPI-6400-OPT**

### **9.2.1 T11.2 (Physical Variant) activity**

Rev 0.5 was reviewed at the June meeting. Jitter with the short-wavelength optics continues to be a hot topic. Dan Brown presented a chart showing link distance vs. eye opening for several grades of optical fiber. Obtaining 200 m lengths looks very doable, and 300 m is probably reasonable as well. Annex material for measuring the skew in the optical components and the fiber cable was reviewed.

### **9.3 HIPPI-LE proposed changes, or reaffirm without change**

At the May HIPPI working meeting it was noticed that the ARP portion of HIPPI-LE is being overcome by the Internet Draft "ARP and IP Broadcast over HIPPI-800". It was suggested that HIPPI-LE be revised by removing the ARP text from it so that the users would not be faced by two incompatible methods, causing confusion. This action was reaffirmed at the June HIPPI working meeting.

#### **9.3.1 Review Project Proposal for a Revision**

Don presented a Project Proposal for revising ANSI X3.218-1993, HIPPI-LE, and it was reviewed. Proposed changes include removing the ARP text and adding the ISO Editor's comments. Other proposed changes will be considered up to the October 1998 meeting.

Jeff Young moved, and Roger Cummings seconded, to forward the HIPPI-LE Revised Project Proposal (T11/98-257v0) to T11 for further processing. Motion passed, 8 for, 0 opposed, and 1 not present, meeting the 2/3 rule.

#### **9.3.2 Vote to reaffirm / revise/ withdraw**

HIPPI-LE became an approved ANSI standard in 1993. With a 5-year sunset on standards, T11.1 needs to either (1) reaffirm the standard without changes, or (2) revise the standard, or (3) withdraw the standard.

This agenda item was withdrawn since we just approved a project proposal to revise the document.

## **10. Review projects in approval phase**

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### **10.1 HIPPI-6400-PH**

HIPPI-6400-PH Rev 2.2a completed its first public review on June 9, 1998. The only public review comment came from T11.1. The intent of the letter ballot was to pause the processing to give us time to fully test the 40 m cable configuration. If everything goes as expected for the cable testing, then T11.1 will accept the public review comment, but require no changes in the document. A second public review should not be necessary. We plan to have the testing complete by the August Plenary. Votes on the response to the public review comment, and a request for further processing of the document, will occur at the August T11.1 and T11 Plenary meetings.

### **10.2 HIPPI-6400-SC**

HIPPI-6400-SC Rev 1.9 completed its first public review on June 9, 1998. The only public review comment came from T11.1. At the working meeting it was decided to make the HIPPI-6400-SC document a base document that current implementations could claim conformance to, and to document further auto-configuration procedures in a separate document. The changes to HIPPI-6400-SC will require a second public review. The plan is to have the changes complete by the August meeting, with votes taken similar to those detailed for HIPPI-6400-PH above, so that further processing of HIPPI-6400-SC can continue.

### **10.3 HIPPI-FP Revision**

As stated in the T11 report, Revised HIPPI-FP (NCITS 210:199x) was forwarded by T11 in 4/98 for final approval by a vote of Y56-N00-DNV24. HIPPI-FP Revised passed mgmt review at the May '98 OMC meeting, and will be voted on at the July '98 NCITS meeting. No further T11.1 action is expected until ANSI publishes the document.

## **11. Review other HIPPI-related items**

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### **11.1 ARP over HIPPI-800**

Work on the "ARP and IP Broadcast over HIPPI-800" document continues. Jean-Michel Pittet included the changes from the April and May meetings in the Rev 00, June 98 document reviewed at the June meeting.

He will include these changes in what he forwards to IETF for a new revision number.

Monday - July 20 : 1 PM - 9 PM

Tuesday - July 21 : 8 AM - 9 PM

## **11.2 Others**

There were no actions required by T11.1, or any action taken, on any of the following activities:

- 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**

### **12.1 Review Project Proposal for ST-API**

Greg Chesson supplied the text that Don used to draft a project proposal for "Scheduled Transfer - Application Programming Interface Mappings (ST-API)". Jim Pinkerton volunteered Greg Chesson to be the Technical Editor of the ST-API document. The project proposal was reviewed, and a few changes made.

Jeff Young moved, and Bob Willard seconded, to forward the revised Project Proposal (T11/98-256v1) for ST-API to T11 for further processing. Motion passed, 7 for, 0 opposed, and 2 not present, meeting the 2/3 rule.

## **13. Administrative matters**

With Don retiring in December 1998, Gene Milligan the T11 International Representative had questioned who would be the Technical Editor for the ISO versions of the HIPPI documents. Roger Ronald has volunteered to fill the void for now.

## **14. Future meeting schedule**

### **14.1 Interim meeting, July 20-21, 1998**

The next interim working meeting will be hosted by Barney Maccabe at the University of New Mexico in Albuquerque. Several hotels close to the airport were identified. (See the meeting announcement on the web page at <http://www.cic-5.lanl.gov/~det/> for further details.)

## **14.2 Plenary week, August 11-12, Portsmouth, UK**

The August Plenary week meetings will be on Wednesday, August 11, from 6 PM to 8 PM. The location is the Forte Posthouse, Pembroke Road, Portsmouth, Hampshire, UK P01 2TA, phone 01705 827651, Fax 01705 756715. Paul Levin and Xyratex are the hosts. The group name for reservations is "American National Standards Institute", and the group room rate is 95£ (Sterling) single or double occupancy. The reservation cutoff date is June 30. (See the meeting announcement on the web page at <http://www.cic-5.lanl.gov/~det/> for further details.)

A straw poll showed that the August attendance would be low, mainly due to testing schedules. To avoid delays in processing the HIPPI-6400-PH and HIPPI-6400-SC documents everyone was encouraged to attend or have a representative present. We will need both a quorum and enough voters to pass the motions. A straw poll showed that we would probably have enough, but not by a wide margin.

*Note that there is some new information about travel from the airports to the hotel on the HIPPI Standards Activities web page.*

Tuesday 8/11	9 AM - 6 PM	HIPPI ad hoc
Tuesday 8/11	6 PM - 9 PM	HIPPI-6400-OPT
Wednesday 8/12	9 PM - 6 PM	HIPPI ad hoc
Wednesday 8/12	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 September. Recent additions and changes are underlined and bold.

**1998 –**

Jul 20-21	Interim	Albuquerque, NM	UNM
Aug 11-12	Plenary	Portsmouth, UK	Xyratex
<b>Sep 1-2</b>	<b>Interim</b>	<b>Richardson, TX</b>	<b>HP</b>
Oct 6-7	Plenary	Ft. Lauderdale, FL	Adaptec
Dec 14-18	Plenary	Tucson	FSI

Roger Cummings asked if it would be possible for the FC-BB (Fibre Channel - Back Bone) group to also use the July meeting location for their meeting. Don Tolmie took an action item to investigate this with Barney Maccabe, the July host, and with Virginia Haydu representing the FC-BB group.

The 1999 and 2000 schedules just include 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	Huntington Beach, CA	Qlogic
<b>Apr 12-16</b>	Plenary	Palm Springs, CA	Brocade
Jun 7-11	Plenary	Minneapolis, MN	Ancor
Aug 2-6	Plenary	Minneapolis, MN	ENDL
Oct 4-8	Plenary	Ft. Lauderdale, FL	Adaptec
Dec 6-10	Plenary	Reno, NV	Solution

**2000 (dates approved, locations and hosts open) –**

Feb 7-11	Plenary	San Diego, CA (?)	QLogic
		Austin, TX (?)	Crossroads
Apr 3-7	Plenary	Palm Springs, CA (?)	Brocade
Jun 5-9	Plenary	<b>Boise, ID</b>	<b>HP</b>
Aug 7-11	Plenary	New Hampshire (?)	Hitachi (?)
Oct 2-6	Plenary	San Diego, CA (?)	QLogic
		Austin, TX (?)	Crossroads
Dec 4-8	Plenary	(?)	(?)

**14.4 Meeting authorization**

The T11.1 Chairman, Don Tolmie, authorized the following T11.1 interim working meetings. Don will chair the July, August, and September meetings; Roger Ronald will chair the October meetings.

July 20-21	Albuquerque, NM
August 11-12	Portsmouth, UK
September 1-2	Richardson, TX
October 6-7	Ft. Lauderdale, FL

**15. Review action items**

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1. Don Tolmie to present the Project Proposal for HIPPI-LE Revised to T11 for further processing.
2. Don Tolmie to present the Project Proposal for ST-API to T11 for further processing.
3. Don Tolmie to follow up on the request for meeting space at the July interim meeting for a FC-BB meeting.

**16. Adjournment**

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Bob Willard moved, and Roger Ronald seconded, to adjourn. The meeting adjourned at 7:25 PM.

**Notes from June T11 Plenary**

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

The project proposal for HIPPI-LE Revised was forwarded by T11 by a vote of 51 for, 0 opposed, and 30 not voting.

The project proposal for ST-API was forwarded by T11 by a vote of 56 for, 0 opposed, and 15 not voting.

The Operations Management Committee (OMC) has been disbanded, and their reviews of draft standards and project proposals will now be handled by NCITS.

The dates for the April 1999 meeting moved from April 5-9 to April 12-16 to avoid Easter. Hitachi will check into hosting the August 2000 meeting in New Hampshire. There was mention of holding a meeting sometime in the year 2000 in Brisbane, Australia.

**Attendance**

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Ed Cady	P	Berg	503-359-4556	edcady@aol.com
Jeff Young	A	Cray Research Inc.	612-683-5536	jsy@cray.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
John Gibbon	O	Essential Communications	505-344-0080 x338	jgibbon@esscom.com
Vasu Kengeri	O	Essential Communications	505-344-0080 x337	vasu@esscom.com
Michael McGowen	O	Essential Communications	505-344-0080	mikemc@esscom.com
Donald Woelz	A	Genroco, Inc.	414-644-2505	don@genroco.com
Mike Andrewartha	O	Hewlett-Packard	972-497-4745	mandrew@rsn.hp.com
Craig Warner	O	Hewlett-Packard	972-497-4341	warner@rsn.hp.com
Don Tolmie	P	Los Alamos National Lab	505-667-5502	det@lanl.gov
Roger Ronald	P	Raytheon Systems Co.	972-205-8043	rronald@esy.com

P = Principal, A = Alternate, O = Observer