

Minutes of T11.1 Plenary meeting #8  
October 7, 1998  
Ft. Lauderdale, FL

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

The T11.1 Vice Chairman, Roger Ronald of PMR, opened this meeting at 6:00 PM and thanked Norm Harris and Adaptec for hosting this meeting. Roger 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. Roger volunteered to take notes and to produce the minutes.

## **2. Review / modify the draft agenda**

Draft agendas were distributed via e-mail before the meeting. No changes or additions were made to the draft agenda.

## **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.

Tensolite was in jeopardy for failure to attend meetings. Since Tensolite attended this meeting, they retain their membership.

IBM was added as a new member with Tan Truong as the principle and Henry Brandt as the alternate.

Vasu Kengeri represented ODS as a temporary alternate for this meeting.

Roger Ronald now represents PMR rather than Raytheon. PMR plans to become a member at the next plenary session.

T11.1 now has 11 member organizations. No organizations are in jeopardy of losing their membership if they are not present at the December T11.1 Plenary meeting.

## **4. Document distribution**

Roger described the HIPPI web page at <http://www.cic-5.lanl.gov/lanp/ANSI/>, 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 August 12, 1998, T11.1 Plenary in Portsmouth, UK, were reviewed. Don Woelz moved and Jeff Young seconded, to approve the August 12, 1998, T11.1 minutes as written. Motion passed unanimously.

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

The action items from the August meeting were reviewed.

1. Don Tolmie to request that T11 send a letter to NCITS noting that active Project 825-R exists for revising ANSI X3.218-1993, HIPPI-LE, and requesting that this existing standard not be withdrawn. (Done)
2. Don Tolmie to request that T11 forward the response to the HIPPI-6400-PH Public Review comment, and HIPPI-6400-PH Rev 2.3, for final processing. (Done)
3. Don Tolmie to request that T11 forward the response to the HIPPI-6400-SC Public Review comment, and HIPPI-6400-SC Rev 2.5, for further processing. (Done)

## **7. Liaison reports**

### **7.1 T11**

Ed Grivna, T11 Chairman, gave a detailed report, highlights of which are included here.

HIPPI-6400-PH passed its management review at the September '98 NCITS meeting.

HIPPI-6400-SC is in public review (closes 11/24).

ST-API approved as Project 1333-D, and HIPPI-LE Revised approved as Project 825-R.

The call for T11.1 chair closes 11/15/98.

### **7.2 HNF**

A HIPPI-6400 meeting will be held at CERN on October 13<sup>th</sup>. There is a web page at the CERN site with details. Sun, Compaq, Genroco, SGI, and CERN are participating.

HNF will participate in SC98, to be held in Orlando November 9-12.

HNF is pursuing further involvement with a marketing firm to manage press releases, etc.

### **7.3 ISO report**

Don Tolmie reported that he is in the process of updating the HIPPI-ATM and HIPPI-Serial documents to ISO format. These documents will be sent through Gene Milligan, T11 International Representative, to ISO when they are complete.

### **7.4 Other liaison reports**

None.

## **8. Patent issues**

### **8.1 Hewlett-Packard patent against Scheduled Transfer**

Don Tolmie sent a formal letter to Hewlett-Packard, noting that this patent issue has been pending for over two years, and requesting quick resolution so that the document can be forwarded.

## **8.2 Call for other patents**

A call was issued for disclosure of the existence of patents required to implement the results of 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**

### **9.1 Scheduled Transfer Protocol**

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

Rev 2.3 was reviewed at the October meeting. Changes to correct and refine the document continue. Recent changes include modifying the Get and FetchOp operations for consistency with the other operations, and adding text defining actions when duplicated operations are received. The ST over FC annex was removed and warehoused for use in a possible future document (hopefully in T11.4).

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

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

Rev 0.7 was reviewed at the October HIPPI-6400 Optical working meeting.

### **9.3 HIPPI-LE**

#### **9.3.1 Working group activity**

HIPPI-LE was updated to Rev 3.6 by removing the ARP text, Introduction, and Alphabetical Index. We are now waiting for the "ARP and IP Broadcast over HIPPI-800" to be assigned an RFC number so that we can reference it in HIPPI-LE. Once complete,

HIPPI-LE should be ready to forward for public review and final processing.

### 9.3.2 Final call for proposed changes

As stated previously, the deadline for other proposed changes to be presented to the group is this October meeting. No other changes were proposed. Since we are now waiting for the RFC, the deadline for proposed changes will be extended until we forward the document.

## **9.4 ST-API**

### 9.4.1 Working group activity

The Genroco white paper on SCSI over ST in a Fiber Channel bridge was reviewed at this meeting. It appears to be a good start towards a general API.

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

### **10.1 HIPPI-6400-PH processing status**

HIPPI-6400-PH Rev 2.3 was forwarded at the August Plenary for final approval as an ANSI standard. Don noted that it is on the agenda for the NCITS September 23-25 meeting, but had no further information.

At the September working meeting Greg Chesson reported that the pin assignments in HIPPI-6400-PH did not match the SuMAC implementation. At that meeting we agreed to change the document, but will allow the present document to complete processing as an American National Standard before making the changes. Based on information provided by Greg, Don Tolmie created replacement pages 24 and 25, and placed them on the web site. The plan is to prepare a project proposal to amend the HIPPI-6400-PH standard (when it is approved) by replacing these pages.

### **10.2 HIPPI-6400-SC Public Review status**

HIPPI-6400-SC Rev 2.5 was forwarded at the August Plenary for a second Public Review. The public review period runs from September 25 to November 24. If anyone is interested in making comments, they should be sent to Deborah Donovan at NCITS with a copy to BSR (see the instructions on <http://www.ncits.org/prsweb.htm>).

## **10.3 HIPPI-FP Revision**

HIPPI-FP Revised (NCITS 210:1998) became an approved ANSI standard in July, 1998, but seems to still be awaiting ANSI publishing.

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

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

Work on the "ARP and IP Broadcast over HIPPI-800" document continues. There was substantial discussion about whether the bridging section should be removed or left in place.

### **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

It was noted that these are not without hope; Mark Doppke is working on the HIPPI Switch MIB and the HIPPI-6400 ARP and IP RFC will be a subset of the HIPPI-800 one.

## **12. New business and new technical items**

None.

## **13. Administrative matters**

### **13.1 Call for T11.1 Chairman**

Don Tolmie has submitted his resignation as T11.1 Chairman, but will continue through the December Plenary meeting. Don was taking some vacation and missed this October meeting (you have got to ease into this retirement life...). NCITS has issued a call for volunteers to fill the position, closing November 15, 1998. The call is on the HIPPI and T11 web pages.

**13.2 Interim meeting authorizations**

Roger Ronald, T11.1 Vice Chairman, authorized (in the absence of the T11.1 Chairman) the following T11.1 interim working meetings. Don Tolmie will chair the November and December meetings; Roger Ronald will chair the January and February meetings. Only the December and February dates include HIPPI-6400 Optical working meetings.

- November 17-18 Mountain View, CA
- December 15-16 Tucson, AZ
- January 12-13 Albuquerque, NM
- February 9-10 Huntington Beach, CA

**14.3 Plenary week, December 15-16, 1998**

The December Plenary week location is the Doubletree Hotel at Randolph Park, Tucson, AZ. The cutoff date for group reservations at the \$110 rate is November 12. See the meeting notice on the HIPPI Standards Activities web page for details. The HIPPI meetings during this week include:

- Tuesday 12/15 9 AM - 6 PM HIPPI ad hoc
- Tuesday 12/15 6 PM - 9 PM HIPPI-6400-OPT
- Wednesday 12/16 9 PM - 6 PM HIPPI ad hoc
- Wednesday 12/16 6 PM - 8 PM T11.1 Plenary

**14.4 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.

Note that T11 schedules the plenary meetings and that the 1999 Plenary meeting schedule is firm.

**1998**

- Nov 17-18 Interim Mountain View, CA SGI
- Dec 14-18 Plenary Tucson FSI

The year 2000 meeting locations and hosts marked with (?) are tentative at this time. Note that the HIPPI and T11.1 meeting days are not specified within the Plenary weeks.

A interim meeting was planned for January 12-13, 1999. Essential will host at the airport Radisson in Albuquerque.

PMR (Roger Ronald) made an offer to host an interim meeting in March (probably the 9<sup>th</sup> and 10<sup>th</sup>) in Richardson (aka North Dallas) Texas. This was a pre-emptive offer, designed to keep Genroco from

freezing us with a meeting in the Wisconsin area too early in the year. Roger also suggested that if Genroco is still interested in hosting a meeting, May would be a great time.

**1999**

- Jan 12-13 Interim Albuquerque Essential
- Feb 8-12 Plenary Huntington Beach, CA Qlogic
- Mar 9-10 Interim Richardson, Texas PMR
- Apr 12-16 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 Huntington Beach, CA Qlogic
- Apr 3-7 Plenary Palm Springs, CA Brocade
- Jun 5-9 Plenary Boise, ID (?) HP
- Aug 7-11 Plenary Munich, GER (?) Siemens  
Berlin, GER (?)
- Oct 2-6 Plenary Manchester, NH (?) Hitachi  
Portland, ME (?)
- Dec 4-8 Plenary Reno, NV (?) Solution  
Austin, TX (?) Crossroads

**15. Review action items**

There were no action items.

**16. Adjournment**

Jeff Young moved, and Bob Willard seconded, to adjourn. The meeting adjourned at 7 PM.

**Notes from October T11 Plenary**

The T11 Plenary met the next day, i.e., October 8. There were no official actions taken on HIPPI related items, the definitive record is the T11 minutes.

The October 1999 meeting scheduled for Ft. Lauderdale, and hosted by Adaptec, may be moved to a different site with a different host.

**Attendance**

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Ed Cady	P	Berg	503-359-4556	edcady@aol.com
Bob Willard	P	Compaq Computer Corp.	978-493-5482	bob.willard@digital.com
Edward Grivna	O	Cypress Semiconductor	612-851-5046	elg@cypress.com
Vasu Kengeri	O	Essential / ODS	505-344-0080 x331	vasu@esscom.com
Donald Woelz	A	Genroco, Inc.	414-644-2505	don@genroco.com
Steve Joiner	A	Hewlett-Packard	408-435-6421	steve_joiner@hp.com
Tan Truong	P	IBM	512-838-7813	truongtm@us.ibm.com
Roger Ronald	O	Power Micro Research	972-495-1610	rronald@pmr.com
Jeff Young	A	SGI/Cray Research	651-683-5536	jsy@cray.com
Albert F. Kelley	A	Tensolite Co.	904-829-5600	bkuypers@tensolite.com
Sean M Rieb	O	Tera Computer Co.	206-490-2164	srieb@tera.com

P = Principal, A = Alternate, O = Observer