

T11.1 Plenary Meeting Minutes

October 5, 2000

Nashua, NH

1.0 Opening remarks and introductions

The T11.1 Chairman, Roger Ronald of VIEO, opened this meeting at 10 AM and thanked Zane Daggett of Hitachi for hosting this meeting.

These minutes are separate from both the HIPPI Working Group minutes and the HIPPI Optical Working Group minutes. Roger volunteered to record and produce these minutes.

Roger lead a round of introductions. The list of attendees is at the end of these minutes.

2.0 Review / modify the draft agenda

Draft agendas were distributed via the web site (www.hippi.org) before the meeting.

There were no changes.

These minutes reflect the approved agenda.

3.0 Attendance and membership

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

T11.1 started this meeting with 10 member organizations. There were no members in jeopardy.

The number of member organizations remains at 10.

4.0 Document distribution

Roger described the HIPPI web page at www.hippi.org. Meeting documents will be placed there and people are encouraged to pick up the documents before the meeting as extra documents are generally not available at the meeting.

5.0 Review minutes of previous meeting

The minutes of the August 9, 2000 T11.1 Plenary meeting in Seattle, WA were reviewed.

Sean Rieb moved and Don Woelz seconded, to approve the August 9, 2000 T11.1 Plenary minutes as amended. The motion passed unanimously.

6.0 Review action items

The action items from the August 9, 2000 meeting were reviewed.

1. Roger Ronald to produce the minutes for this (August, 2000) meeting. **(done)**
2. Anyone with a proposed change to HIPPI-6400-PH to present a written proposal to T11.1, or its working groups, by the August T11.1 Plenary. **(done**-all proposals should be complete as we have now fixed on a plan for completing HIPPI-6400-PH)
3. The chair to present the results of the comment resolution for the Scheduled Transfer-Reliable Transport Profile (ST-RTP) and to request that T11 forward the document to NCITS for a public review and for further processing. **(done)**
4. The chair to present the public review comment resolution results for HIPPI-6400-OPT to T11 for forwarding to NCITS. **(done)**
5. The chair to present the groups recommendation on re-affirmation of HIPPI-PH to T11. **(done)**
6. The chair to convey the schedule change information to T11 so that rooms would be scheduled at the proper day and time. **(done)**

7.0 Liaison Reports

7.1 TII-October, 2000

7.1.1 T11 membership

- At the end of the meeting at Seattle, WA, in August 2000, the membership stood at 64.
- Gain of 1 member and loss of 5 members

7.1.2 T11 Actions related to Task Groups

- T11.1: T11Chair, on behalf of T11.1, made a motion that ST-RTP rev.0.6 be forwarded to NCITS for further processing including first PR. The motion carried 47 For, 0 Opposed, with 0 Abstaining and 17 Not Voting. The motion passed meeting two thirds rule
- T11.1: T11.1 Chair, on behalf of T11.1, made a motion to recommend a US vote on renewal of HIPPI-PH ISO. The motion carried 52 For, 0 Opposed, with 0 Abstaining and 12 Not Voting
- T11.2: 11.2 Chair, on behalf of T11.2 requested a T11 Letter Ballot on Rev. 9 of FC-PI
- T11.3: The T11.3 Vice-Chair, on behalf of T11.3, made a motion to accept the comment resolutions for letter Ballot and to forward FC-BB rev. 4.7 to NCITS for further processing, including first PR
- T11.3: On behalf of T11.3, The T11.3 chair requested to conduct a T11 letter Ballot on Rev. 1.4 of FC-AV
- T11.3: On behalf of T11.3, The T11.3 chair requested to conduct a T11 letter Ballot on Rev. 1.8 of FC-BB-2
- T11.3: On behalf of T11.3, the Chairman of T11.3 made a motion to forward the new project proposal for FC-BB-2 to NCITS. The motion carried 49 for, 0 opposed, with 0 Abstaining and 15 No voting

7.1.3 T11 actions post August, 2000 T11 meeting:

- Conducted T11 letter ballot on FC-PI rev.9. The ballot carried meeting two thirds majority
- Conducted T11 letter ballot on FC-AV rev.1.4. The Ballot has not closed
- Conducted T11 letter ballot on FC-SB-2 rev.1.8. The ballot carried meeting two third majority
- Forwarded ST_RTP rev. 0.6 to NCITS for further processing including first PR

- Forwarded FC-BB rev. 4.7 to NCITS for further processing including first PR
- Forwarded the new project proposal for FC-BB-2 to NCITS for further processing

7.2 HNF

A series of HNF technical presentations was kicked off with a session in Seattle on Thursday, August 10th. Attendance was moderate, there were perhaps a dozen non-member attendees

Another demonstration occurred at CERN on September 18th. Don Woelz described a demonstration of SANergy (a Tivoli) product operating on Ethernet. A Genroco bridge connected Ethernet to Fiber Channel. There were also presentations on HIPPI, GSN, and Infiniband.

A demonstration also occurred in Tokyo.

7.3 ISO report

There was no ISO report.

7.4 Other liaison reports

None.

8.0 Call for patents

Roger issued a call 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. A patent policy description is at www.ansi.org/proctbl.html, section 1.2.11.

No new claims were made at this meeting.

9.0 Review and act on projects in ANSI development phase

9.1 ST-API

The group continues to document the SGI implementation in an accessible form on the web site.

New participants from SGI arrived and it appears that more progress should occur in this area soon.

9.2 HIPPI-6400-PH - Amendment

A Project Proposal for an amendment to NCITS 323-1998 was drafted and approved at the February 1999 meeting, both by this group and by T11.

A pinout change is the reason for the amendment, but other changes were needed to support passing the RFI/EMI testing required for commercial products and to make sure that the cabling system is compatible with PCI form factors.

A new connector arrangement has been proposed by SGI to allow passing FCC tests in shippable configurations and the group agreed to add this revised configuration, substituting this connector for the one currently documented. A set of drawings detailing the history of GSN connectors will also be added.

A different configuration is also needed for PCI. FCI has done testing to find a suitable connector and suggested a dual-row variant of the ultraSCSI connector. The group has agreed to add this connector.

A complete plan for concluding the amendment is now in place.

9.3 SCSI on ST

Don Woelz continues to make progress with this T10 project. Although Don hoped to complete all of the work at this meeting, at least one more review will be needed. Don also plans to take this document to an editing session with T10 next month.

9.4 HIPPI-6400-OPT (T11.2 - Physical Variant) activity

This document is now back in the hands of T11.1 after an abortive attempt to process it. The optical standard is fine, but the sole MAC part for HIPPI-6400 (the SGI SuMAC) is not guaranteed to run fast enough for operation at 1 GBaud.

Thus, the group plans to make several changes.

The group now plans to document the Infineon DC part as an option in the standard. Other options will be the baseline full speed operation and a half speed mode.

The major problem in the optics area seems to be the availability of optical modules.

10.0 Review projects in approval phase

10.1 Scheduled Transfer Protocol

ST was approved on 8/24/2000 as American National Standard for Information Technology: ANSI NCITS 337-2000, Scheduled Transfer Protocol (ST).

10.2 HIPPI-LE

HIPPI-LE, version 3.8 was approved at the February T11.1 plenary and sent to T11 for further processing. T11 initiated a letter ballot that closed on 4/1/00 with no "real" comments (there was a submitted comment that was a request for updating an email address, but this was not a comment on the document).

HIPPI-LE started a NCITS public review that concluded on 7/3/00.

No comments were made and HIPPI-LE revised continues to move towards approval and publication as a standard.

10.3 ST Reliable Transport Profile

At the June, 2000 meeting the T11.1 committee forwarded ST-RTP to T11 for a letter ballot and further processing.

The letter ballot concluded on July 29th. The sole comment was a question by Boeing about whether a profile should be a "standard" or a "technical report". NCITS was quizzed and ITIS responded that a standard was the appropriate format.

At the last meeting T11.1 and T11 voted to reject the comment and to submit ST-RTP for further processing and a letter ballot. ST-RTP should continue to move towards approval and publication as a standard.

11.0 Review other HIPPI-related items

11.1 Bridging to HIPPI-800

At this meeting, Brad Allen was not present to lead a review of the text for the HIPPI-800 to Ethernet bridging document. David Gaskill and Jay Bhat of

Essential Communications reported that he should be able to attend in December.

11.2 IP and ARP over HIPPI-6400

We have received an RFC number (RFC 2835) for ARP and IP Broadcast over HIPPI-6400.

At the last meeting, a new draft of IP and ARP over HIPPI-6400 was available. However, there was no longer an editor to lead the review or make any further changes. The group decided that further investigation was needed in order to proceed and no read-thru was done during that working group meeting.

Fortunately, Sean Murphy of SGI stepped up to the task and was present to summarize the changes that Jeff has made. Sean also volunteered to assume the editor's role and promised to contact Jeff during the next two months in order to update the document.

11.3 HIPPI-MIBs

PMR and Essential have started to cooperate on MIB development, having responded to a T11.1 request to coordinate their work. Nothing new was reported at this meeting.

12.0 New business and new technical items

None.

13.0 Administrative matters

13.1 Interim meeting authorizations

The T11.1 Chairman, Roger Ronald authorized the following T11.1 interim working meetings for all topics and will chair these meetings.

- December 6-7 Austin, TX

Note that the SCSI on ST work is authorized by T10 instead of T11, thus the SCSI on ST topic will be covered at a specific time (9 AM on December 6th to allow T10 members the chance to easily attend at a fixed scheduled moment in time.

14.0 Future meeting schedule

14.1 December 6-7, 2000, Austin, TX

The next T11.1 plenary meeting will be held December 7th from 10 AM to noon (during the Plenary week in Austin, TX). The hotel information is posted at the www.hippi.org web site.

14.2 Future meeting dates and locations

The Optical working group will now meet on Thursday morning during the T11 Plenary week (8 AM), prior to the plenary meeting. The working group meeting will be held on Wednesday (starting at 9 AM until 6 PM).

2000

Dec 4-8	Austin, TX	Crossroads
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2001

Feb 5-9	Huntington Beach, CA	Qlogic
Apr 9-13	Toronto, ON	Brocade
Jun 4-8	Minneapolis, MN	Ancor
Aug 6-10	Hawaii, HI	Solution Tech
Oct 8-12	San Diego, CA	JNI
Dec 3-7	Austin, TX	Crossroads

15.0 Review action items

The following action items were carryovers or were added at this meeting.

1. Roger Ronald to produce the minutes for this (October, 2000) meeting.

16.0 Adjournment

Bob Willard moved and Craig Davidson seconded to adjourn at 10:20 AM on October 5. There were no objections.

Attendance

Name	Status	Company	Phone	E_mail
Kumar Malavalli	O	Brocade Communications	408-487-8156	kumar@brocade.com
David Hyer	A	Compaq Computer Corp.	508-467-4550	david.hyer@compaq.com
Bob Willard	P	Compaq Computer Corp.	508-467-5875	bob.willard@compaq.com
Doug Coleman	O	Corning	828-327-1780	doug.coleman@corning.com
Sean M Rieb	P	Cray, Inc	206-701-2164	srieb@cray.com
Jay Bhat	A	Essential	505-344-0080	jbhat@esscom.com
David Gaskill	O	Essential	505-344-0080 x340	dgaskill@esscom.com
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Donald Woelz	P	Genroco, Inc.	414-644-2505	don@genroco.com
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