

Accredited Standards Committee*
National Committee for Information Technology Standards (NCITS)

Doc. No.: T10/00-130r0

Date: January 25, 2000

Reply to: Robert Snively

To: T10 Membership
From: Robert Snively/Ralph Weber
Subject: Joint T10/T13.1 Working Group Meeting -- January 13, 2000
Brisbane, Australia

Agenda

1. Introductions
2. Approval of Agenda
3. Approve 12/07/99 Minutes
4. Attendance and Membership
5. FCP-2 Review
6. New Business
7. T11.3 New Business
8. T10 New Business
 - 8.1 Large Block Addresses in SSC (reflector messages)
9. Meeting Schedule
10. Review of Action Items
11. Adjournment

Results of Meeting

1. Introductions

Bob Snively, the facilitator, called the meeting to order at 1:10 p.m., Thursday, January 13, 2000. He thanked Dal Allan of ENDL Pacific Technologies for hosting the meeting.

As is customary, the people attending introduced themselves and a copy of the attendance list was circulated.

2. Approval of Agenda

The draft agenda was approved with the following changes:

- 8.1 Large Block Addresses in SSC (reflector messages)

No agenda items were added or revised during the course of the meeting.

3. Approve 12/07/99 Minutes

The minutes of the previous meeting found in T11/99-754v0 were approved as written.

4. Attendance and Membership

Attendance at working group meetings does not count toward minimum attendance requirements for T10 membership. Working group meetings are open to any person or organization directly and materially affected by T10's scope of work. The following people attended the meeting:

Name	S	Organization
Rob Elliott	P	Compaq
Neil Wanamaker	P	Crossroads
Dal Allan	P	ENDL
Dennis Moore	P	Knowledge Tek
George Penokie	P	IBM
Ralph Weber	A	LSI Logic
Gene Milligan	P	Seagate
Bob Snively	P	Sun Microsystems

8 People Present

Status Key: P - Principal
 A,A# - Alternate
 O - Observer
 L - Liaison
 V - Visitor

5. FCP-2 Review

Bob Snively reviewed the changes described in 99-325r3 that were not made or were made differently from the description in 99-325r0.

Bob Snively took an action item to include a comment requesting the removal of Annex J in the Sun letter ballot.

5.1 Consideration of Crossroads comments on FCP-2

Neil Wanamaker brought the most interesting and difficult of the problems that he has identified in his letter ballot comments to Bob's attention.

5.1.1 Crossroads comment 21

The problem addresses section 6.2, paragraph 3, and potentially 6.2.7.1. The text indicates two conflicting responses to the PRLI if an image pair was not established. After review, the group chose to modify section 6.2 so that either LS_RJT or an ACC where the image pair is not established are both acceptable responses.

5.1.2 Crossroads comment 24

Section 6.2.5, paragraph 2 and section 4.8, Table 4, have conflicting information. The question is whether or not open sequences, exchanges, and command reference numbers are cleared by PRLI. Section 6.2.5 says they are not cleared. This must be verified against FC-FS. Most of the group agreed that a new PRLI replacing an old PRLI is really the same as a PRLO followed by a PRLI. Any process associator issues should be avoided.

5.1.3 Crossroads comment 42

Section 9.3, paragraph 4 conflicts with section 9.2 with respect to the proper use of XFER_RDY. XFER_RDY is used on all but the first transfer if Write Transfer Ready is disabled. Section 9.3, paragraph 4 must be corrected to address this.

5.1.4 Crossroads comment 43

Section 9.4, paragraph 2, indicates that if the RSP_VALID bit is set and if the RSP_LEN=8, then the RSP_INFO field shall have the proper indications set. Neil pointed out that there are many devices that set those bits as described, but then place no code in the RSP_INFO field. This violates both FCP and FCP-2. No change is required.

6. New Business

No new business was brought to this meeting.

7. T11.3 New Business

No T11.3 business was brought to this meeting.

8. T10 New Business

8.1 Large Block Addresses in SSC (reflector messages)

The group reviewed reflector messages from Paul Suhler concerning the LOCATE and possibly the READ POSITION commands in SSC. It was agreed that Paul Suhler should be given an action item to develop a solution for presentation at the next meeting. The solutions in order of preference to the group were: 1) new 16-byte command(s), 2) new service action(s) under the variable length CDB, 3) new 12 byte comand(s), and (highly disfavored) a new bit in the current command(s).

9. Meeting Schedule

The next meeting of the Joint Working Group will be on Wednesday, 16 February starting at 3 pm at the Hilton Waterfront Hotel (714-960-7873) in Huntington Beach, CA hosted by QLogic Corp.

10. Review of Action Items

10.1 Action items from December meeting

#1. Dave Peterson. Reasonable timer values proposal, including Dave Baldwin's proposed reduction of E_D_TOV. Carried over.

#2. Charles Binford. Command cleared proposal for the SCSI working group. Carried over.

#3. Dale LaFollette. Prepare agenda for January meeting in Australia. Completed

#4. Bob Snively. Facilitate and provide minutes for the January meeting in Australia. Completed

#5. Bob Snively. Move the diagrams of Annex C into clause 11 making them a normative example. Elected not to make the change for editorial reasons.

#6. Bob Snively. Post the four byte multiple fixed block length and error recovery decision to the reflector. Completed.

#7 Bob Snively. Include revised Annex E (T11/99-340v3) in the next revision of the FCP-2. Completed in FCP-2 revision 4.

#8 Bob Snively, Carl Zeitler, Dave Peterson: Review the impact of adding out-of-order delivery to the FCP-2. Schedule a review in the February meeting. Have Bill Martin review the proposal. Carried over.

10.2 New action items in January meeting

#9. Paul Suhler will prepare a proposal for addressing the problems in the LOCATE and READ POSITION for consideration at the February meeting.

#10. Bob Snively will include a comment requesting the removal of Annex J in the Sun letter ballot comments.

11. Adjournment

The meeting was adjourned at 2:15 p.m. on Thursday January 13, 2000.