

Approved Minutes

T10 FCP-4 Study Group

8 November 2005 - 9 AM to 11 AM

Austin TX

rev. 1 Corrected the sponsor of the January T10 plenary week in 9.1.

The FCP-4 Study Group of INCITS Technical Committee T10 met at Austin TX on 8 November 2005, hosted by Dell. Attendance was 7 people from 6 companies and is tabulated at the end of this document.

Minutes were taken by Bob Nixon (bob.nixon@emulex.com). Please report any corrections by email to the T10 reflector at T10@T10.org.

1 Opening remarks and introductions

Chairperson Dave Peterson opened the meeting Tuesday, 8 November 2005 at 9:05 AM. He thanked our host company, Dell, and led a round of introductions.

2 Approval of Agenda

The meeting agenda was announced to be consideration of an FCP-4 Project proposal.

It was moved by Bob Nixon and seconded by Paul Suhler to accept the agenda as announced for this meeting. Approved unanimously.

3 Review of Minutes

There were no prior meeting minutes.

4 Review of Old Action Items

There were no open action items.

5 Old Business

There was no old business.

6 New Business

6.1 FCP-4 Project Proposal Discussion

6.1.1 Review of carried items

Certain FCP-3 letter ballot comments were deferred to FCP-4. Comment details may be found in 05-173r5.

- a) HP-02 has technical content and should be considered as a reason for FCP-4.
- b) HPQ-185 is editorial.
- c) HPQ-191 is editorial.
- d) HPQ-194 is editorial.
- e) HPQ-66 is editorial.
- f) HPQ-82 is editorial.

6.1.2 Any known interoperability issues

There is a possible indeterminacy about when the last sequence of an exchange is no longer open to the sequence initiator (Rassbach email 10-12-05).

It was a concern that not all issues with out of order delivery may have been adequately considered.

It was a concern that FCP may reference FC-2 features that have not been found useful.

6.1.3 Any new topics that have been raised

DIF indications in the FCP enveloping headers might assist downstream devices (e.g., HBAs) in DIF support.

The concurrent use of multiple paths for a single command, may provide either / both additional bandwidth and path failure recovery.

FC-SP may raise requirements for FC-4 action, including FCP-4.

6.1.4 Topics to call out in a project plan

It was agreed that an FCP-4 project proposal should include at least these goals:

- a) coordination with SAM-4 Updates;
- b) use of multiple paths for a single command; and
- c) integration with FC-SP and other current security activities.

It was agreed to remain open for additional suggestions at least until the next meeting.

ACTION: Dave Peterson to prepare a draft project proposal for FCP-4

7 Review of Action Items

FCP4-001 Dave Peterson to prepare a draft project proposal for FCP-4.
(Opened 8 November 2005)

8 Project Schedule

Project proposal to T10 in March 2005

9 Meeting Schedule

9.1 Next Plenary Week

Request 2 hours at the T10 Plenary Week sponsored by Intel January 9-13 2006 in Scottsdale, AZ.

10 Adjournment

It was moved by Mike Banther and seconded by Eric Oetting to adjourn. Approved unanimously.

The meeting was adjourned at 10:07 AM on 8 November 2005.

11 Actions on Proposals at This Meeting

No proposals have been presented.

12 Attendance

Representative	Organization
Robert H. Nixon	Emulex
Michael Banther	Hewlett Packard
Kevin Butt	IBM
David Peterson	McDATA
Paul Entzel	Quantum
Paul Suhler	Quantum
Erich Oetting	Sun Microsystems