

# Draft Minutes

## T10 FCP-4 Study Group

### 8 November 2005 - 9 AM to 11 AM

### Austin TX

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 Dell 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