Draft Minutes
T10 FCP-3 Ad Hoc Meeting
1 February 2005 - 9 AM to 1 PM
Las Vegas NV

The FCP-3 Ad Hoc Meeting of INCITS Technical Committee T10 met at Las Vegas NV on 1 February 2005, hosted by Hitachi GST. Attendance was 12 people from 11 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, 1 February 2005 at 9:00 AM. He thanked our host company, Hitachi GST, and led a round of introductions.

2 Approval of Agenda   05-041r0

Michael Banther requested to add 04-383r1, FCP-3 Clarification to TPRLO.

It was moved by Paul Suhler and seconded by Kevin Butt to accept 05-041r0 with the change noted above as the agenda for this meeting. Approved unanimously.

3 Approval of Minutes of Prior Meetings   04-395r0

It was moved by Bob Nixon and seconded by Bob Snively to accept 04-395r0 as the minutes of the FCP-3 ad hoc meeting on 9 November 2004. Approved unanimously.

4 Review of Old Action Items

AI 21   FCP-3 facilitator to recommend to the T10 plenary to incorporate 04-294r1 into FCP-3.
               (Closed)

5 Old Business

5.1 Check Condition when FCP_DL too small   05-044r0   Peterson/CNT

This is a revision of a previous presentation, 03-393v3.

It was agreed to define and use the more specific terms "read operation" and "write operation" in the rules about incorrect setting of RDDATA and WRDATA flags.

It was agreed not to allow an FCP RSP_CODE of "FCP_CMND fields invalid" to indicate a transfer that exceeds FCP_DL or FCP_BIDIRECTIONAL_READ_DL.

It was agreed to replace a statement in FCP-3 that the state of an operation is uncertain if FCP_RESID_OVER is set with a reference to the new rules for FCP_DL violation.

It was agreed that both the original (FCP-3) and revised (this proposal) behaviors are incorrect when both the RDDATA and WRDATA bits are set on a request to a device that does not support bidirectional operations.

Dave Peterson will return with the requested changes incorporated.

5.2 Clarification to TPRLO   04-383r1   Banther/HP

This proposal clarifies that a target device is allowed to explicitly process log out from any/all logged in initators on receipt of a third party process log out. This is intended to allow quicker recovery from third party process log out.

The intention was accepted, but a rewording for clarity was agreed.

It was moved by Michael Banther and seconded by Paul Suhler to to recommend to T10 to incorporate 04-383r2 into FCP-3, reflecting 04-383r1 and the agreements at the FCP-3 meeting 1 February 2005. Approved unanimously.

ACTION: Michael Banther to publish 04-383r2 reflecting 04-383r1 and the agreements at the FCP-3 meeting 1 February 2005.

ACTION: FCP-3 chairperson to recommend to T10 to incorporate 04-383r2 into FCP-3, reflecting 04-383r1 and the agreements at the FCP-3 meeting 1 February 2005.

6 New Business

6.1 PRLI Accept Clarification   05-013r0   Hirata/Nixon/Emulex

This proposal notes some cases of misidentification of the response code in a PRLI LS_ACC as a "reason" code, which might lead a reader to expect to send an LS_RJT. Bob Nixon presented for Ken Hirata, who was in another meeting.

It was moved by Bob Nixon and seconded by Dave Peterson to recommend to T10 to incorporate 05-013r0 into FCP-3. Approved unanimously.

ACTION: FCP-3 chairperson to recommend to T10 to incorporate 05-013r0 into FCP-3.

7 Review of Action Items

AI 22   Michael Banther to publish 04-383r2 reflecting 04-383r1 and the agreements at the FCP-3 meeting 1 February 2005.
            (Opened 1 February 2005)

AI 23   FCP-3 chairperson to recommend to T10 to incorporate 04-383r2 into FCP-3, reflecting 04-383r1 and the agreements at the FCP-3 meeting 1 February 2005.
            (Opened 1 February 2005)

AI 24   FCP-3 chairperson to recommend to T10 to incorporate 05-013r0 into FCP-3.
            (Opened 1 February 2005)

AI 25   Next AI

8 Meeting Schedule

Request four hours at the T10 plenary meeting week March 7-11, 2005, in Dana Point CA.

9 Document Schedule

Milestone	ExpectedDate
Last technical input	March 2005
Request to forward	May 2005

10 Adjournment

It was moved by Bob Nixon and seconded by Paul Suhler to adjourn. Approved unanimously.

The meeting was adjourned at 11:13 AM on 1 February 2005.

11 Actions on Proposals at This Meeting

Document Title	Number	Disposition
An issue with lost FCP_RSP	nodoc	Document(s) will be provided. CARRY.
Check Condition when FCP_DL too small	05-044r0	Carry. Expect a revision.
FCP-3 Clarification to TPRLO	04-383r1	Close. Approved 04-383r2.
FCP-3 PRLI Accept Clarification	05-013r0	Close. Approved 05-013r0.

12 Attendance

Person	Company
Bob Snively	Brocade
Claudio DeSanti	Cisco
Dave Peterson	CNT
Bob Nixon	Emulex
Neil Wanamaker	Finisar
Michael Banther	HP
Kevin Butt	IBM
Paul Suhler	Quantum
Paul Entzel	Quantum
Gerry Houlder	Seagate
Bill Martin	Sierra Logic
Erich Oetting	StorageTek