Draft Minutes
T10 FCP-3 Ad Hoc Work Group
12 July 2005 - 9 AM to 1 PM
Colorado Springs CO

The FCP-3 Ad Hoc Work Group of INCITS Technical Committee T10 met at Colorado Springs CO on 12 July 2005, hosted by LSI Logic. Attendance was 10 people from 8 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, 12 July 2005 at 9:04 AM. He thanked our host company, LSI Logic, and led a round of introductions.

2 Approval of Agenda   05-268r0

It was agreed to add a topic to discuss an email that raised issue with error code explanations for SRR FCP Link Service.

It was moved by Dave Peterson and seconded by Bob Nixon to accept 05-268r0 with the changes noted above as the agenda for this meeting. Approved unanimously.

3 Review of Minutes   05-184r0

No corrections were requested either by email or at this meeting.

It was moved by Bob Nixon and seconded by Bill Martin to accept 05-184r0 as the minutes of the FCP-3 ad hoc meeting on dd Month year. Approved unanimously.

4 Review of Old Action Items

There are no open action items

5 Old Business

There is no old business.

6 New Business

6.1 FCP-3 Letter Ballot Comment Resolution   05-173r2   Peterson/McData

6.1.1 HP-11

Accept for CLEAR TASK SET. Reject for LOGICAL UNIT RESET because no one present could find the issue there.

6.1.2 IBM-54

Accept. Change "default, saved, or initial value within the device" to "default or saved value".

6.1.3 IBM-59

Accept. The dash in the first row should be "N". The empty spaces in the second row should all be "N".

6.1.4 IBM-64

Accept. The missing row should have all positions "N".

6.1.5 IBM-99

The text in the comment resolution document is truncated. The commenter will resubmit it.

6.1.6 IBM-105

Accept.

6.1.7 IBM-138

The text in the comment resolution document is truncated. The commenter will resubmit it.

6.1.8 IBM-175

Accept.

6.1.9 IBM-212

Accept.

6.1.10 IBM-251

Accept.

6.2 FCP-3 issues with 05-044r3   05-279r0   Martin/Sierra Logic

It was agreed that if RDDATA and WRDATA are both zero but FCP_DL is nonzero, a protocol error is the appropriate response from the device.

It was agreed that FCP-3 should not deal with device requirements that FCP_DL be a multiple of a block size. Such requirements are appropriately left to the SCSI application layer.

The final issue was a conflict between the desire for a bridge not to interpret CDBs versus the requirement to abort a transfer with incorrect FCP_DL before data is transferred. The bridge is not able to detect the FCP_DL discrepancy until it receives a transfer ready indication from the device that requests data beyond FCP_DL. The proposal was to allow an error completion even though data has been transferred.

It was agreed that if an attempt to transfer data in excess of FCP_DL is detected and data has already been transferred, the command shall be aborted with sense key set to ABORTED COMMAND and ASC set to INVALID FIELD IN COMMAND INFORMATION UNIT.

6.3 Email: FC-4 Reason Code discrepancy

The email noted that FCP-3 specifies 03h for the SRR FC-4LS reject code for Invalid OX_ID-RX_ID combination, and FC-LS specifies 17h for the same error on an ELS. The email requested changing the SRR reject code to 17h.

In discussion, it was noted that FC-FS-2 specifies 03h for the same error on a Basic Link Service.

Those present believed their products issue 17h.

ACTION: FCP-3 Chairperson to forward the email on SRR Reason Code discrepancy to the T10 distribution and ask for direction from implementers.

6.4 Missing PLOGI/PRLI

An implementer of FCP-3 noted that Annex D.1.1 step 6 requires PLOGI and PRLI, but this is not shown in the prior steps.

It was agreed to add PLOGI and PRLI before step 6 in D.1.1.

7 Meeting Schedule

Request 4 hours at the T11 Plenary Week 12-16 September 2005 in Vancouver, BC.

8 Review of Action Items

AI 25   FCP-3 Chairperson to forward the email on SRR Reason Code discrepancy to the T10 distribution and ask for direction from implementers.
(Opened 12 July 2005)

AI 26   Next AI

9 Adjournment

It was moved by Dave Peterson and seconded by Bob Nixon to adjourn. Approved unanimously.

The meeting was adjourned at 11:14 AM on 12 July 2005.

10 Actions on Proposals at This Meeting

Document Title	Number	Disposition
FCP-3 issues with 05-044r3	05-279	Close. Letter ballot comments will be generated to reflect 05-279r0 with changes agreed at the FCP-3 meeting 12 July 2005

11 Attendance

Representative	Organization
Robert H. Nixon	Emulex
Michael Banther	Hewlett Packard Co.
George O. Penokie	IBM / Tivoli Systems
Kevin Butt	IBM Corp.
David Peterson	McDATA
Paul Entzel	Quantum Corp.
Paul Suhler	Quantum Corp.
Gerald Houlder	Seagate Technology
William Martin	Sierra Logic, Inc.
Charles Binford	Sun Microsystems, Inc.