

# Draft Minutes

## T10 FCP-4 Ad Hoc Work Group

### 15 January 2008 - 9:00 to 10:30 AM PDT

### Santa Ana CA

The FCP-4 Ad Hoc Work Group of the INCITS SCSI (T10) Technical Committee met at Santa Ana CA on 15 January 2008, hosted by Western Digital. Attendance was 11 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, 15 January 2008 at 9:00 AM. He thanked our host company, Western Digital, and led a round of introductions.

#### 2 Approval of Agenda

T10/08-068r0

*It was moved by Dave Peterson and seconded by Paul Suhler to accept T10/08-068r0 with the changes noted above as the agenda for this meeting. Approved unanimously.*

#### 3 Review of Minutes

T10/07-496r0

*It was moved by Bob Nixon and seconded by Roger Cummings to accept T10/07-496r0 as the minutes of the FCP-4 ad hoc meeting on 6 November 2007. Approved unanimously.*

#### 4 Review of Old Action Items

- 060509-2 Dave Peterson: Look at XDREAD and XDWRITE behavior regarding retries. Do we fix it here or in SBC.  
(Expect it will become an SBC issue, but for now, Carry)
- 070508-3 Dave Peterson to check the implications of retry from a Sequence Count other than either zero or the Sequence Count required by Continuously Increasing Sequence Count.  
(Close. No response to repeated emails to the community)
- 070508-4 FCP-4 editor to clarify that an FCP\_Port should behave the same if it receives either reason code 03h or 09h in response to an REC ELS if the reason code explanation is either 15h or 17h.  
(Carry)
- 070918-1 Erich Oetting to look into any current interest in pursuing standards for FCP-4 multipathing.  
(Close for lack of technical input)

- 071106-1 FCP-4 editor to clarify that, if Sequence Recovery is enabled, an I\_T\_L\_Q nexus is identified by the Fibre Channel fully qualified exchange identifier together with the task retry identifier.  
(Carry)
- 071106-2 FCP-4 editor to incorporate the definition of ABTS-LS from FC-FS-3, and use it to replace all references to, and most or all discussion of, Recovery Abort.  
(Close. Editor has completed it.)

## 5 Old Business

No old business was carried into this meeting.

## 6 New Business

### 6.1 Set REC FC4VALUE to zero for bidi commands T10/07-519r0

Elliott (HP)

The proposal resolves the unspecified value of the FC4VALUE field in the LS\_ACC to a REC ELS involving a bidi command.

*It was moved by Dave Peterson and seconded by Bob Nixon to recommend to T10 to incorporate T10/07-519r0 into FCP-4. Approved unanimously.*

**ACTION:** FCP-4 chairperson to recommend to T10 to incorporate T10/07-519r0 into FCP-4.

**ACTION:** FCP-4 editor to incorporate T10/07-519r0 into FCP-4.

## 7 Project Schedule

Milestone	Date
Last technical input	January 2008
Target date for Letter Ballot	March 2008

## 8 Meeting Schedule

Request 2 hours at the T11 Plenary Week DMY in PLACE.

## 9 Review of Action Items

- 060509-2 Dave Peterson: Look at XDREAD and XDWRITE behavior regarding retries. Do we fix it here or in SBC.  
(Expect it will become an SBC issue, but for now, Carry)
- 070508-4 FCP-4 editor to clarify that an FCP\_Port should behave the same if it receives either reason code 03h or 09h in response to an REC ELS if the reason code explanation is either 15h or 17h.  
(Carry)

071106-1 FCP-4 editor to clarify that, if Sequence Recovery is enabled, an I\_T\_L\_Q nexus is identified by the Fibre Channel fully qualified exchange identifier together with the task retry identifier.  
(Carry)

080115-1 FCP-4 chairperson to recommend to T10 to incorporate T10/07-519r0 into FCP-4.

080115-2 FCP-4 editor to incorporate T10/07-519r0 into FCP-4.

## **10 Adjournment**

***It was moved by Dave Peterson and seconded by Kevin Butt to adjourn. Approved unanimously.***

The meeting was adjourned at 9:18 AM on 15 January 2008.

## **11 Attendance**

<b>Representative</b>	<b>Organization</b>
David Peterson	Brocade
David Black	EMC
Robert H. Nixon	Emulex
Michael Banther	Hewlett Packard
Kevin Butt	IBM
Robert Payne	lomega
Matt Ball	M.V. Ball Technical Consulting
Robert Griswold	Microsoft
Paul Suhler	Quantum
Erich Oetting	Sun Microsystems
Roger Cummings	Symantec