

## Draft Minutes

### T10 FCP-3 Working Group Meeting

November 4, 2003 – Austin, Texas

11 AM – 1:30 PM

A meeting of working group FCP-3 of INCITS Technical Committee T10 was held at Austin, Texas on November 4, 2003, in conjunction with the T10 Plenary Week meetings. Attendance at this meeting was 22 people and is tabulated at the end of this document.

Minutes were taken by Ken Hirata ([Ken.Hirata@Vixel.com](mailto:Ken.Hirata@Vixel.com))

#### 1. Opening remarks and introductions: Dave Peterson

Facilitator Dave Peterson opened the meeting at 11:15 AM (CST) Tuesday, November 4, 2003. He thanked our host company, Crossroads, and led a round of introductions.

##### 1.1 Call for changes to minutes: Dave Peterson

FCP-3 minutes, September T10 Plenary week meeting (T10/03-324r0).

Approved as written.

#### 2. Approval of the agenda: T10/03-392r0 all

New Items for discussion:

- a. FCP-3 Revision 1 Comments, George Penokie

Approved as modified.

#### 3. Review of old action items: T10/03-324r0 all

- 3.1 AI 1 – Dave Peterson to upload T10/03-313r1.

Done.

#### 4. Scheduled New Business FCP-3

##### 4.1 FCP\_DL Behavior (T10/03-313r1 item 4, and reflector messages), Dave Peterson

Proposal will be written to define a new ASC for FCP-3 and SPC-3 to notify the initiator of a FCP\_DL/CDB mismatch.

#### **4.2 Task Retry Identification Support (T10/03-313r1 item 9-#5), Dave Peterson**

The group decided that Task Retry Identification shall be changed from optional (as stated in FCP-2) to required (in FCP-3) if Sequence level recovery is used. Stated in other words, if the RETRY bit in the PRLI indicates the capability of requesting the retransmission of unsuccessfully transmitted data, or the capability of performing the requested retransmission, Task Retry Identification shall be supported.

#### **4.3 Reflector Message on Additional Work Items, Kevin Butt**

Issue 1: How a host and target login in Fibre Channel Point-to-Point topology (i.e., today if the target WWN is larger than the initiator there is a deadlock, targets are prohibited from sending PRLI and the initiator doesn't because it did not send the PLOGI).

Normative text will be put in FCP-3 to state that the initiator shall always send a PRLI if operating in point-to-point topology.

Issue 2: Better definition of what a target initiated REC is supposed to accomplish and how the initiator should respond to it.

The group decided that, without any new information, the current specification contained enough information on this issue.

### **5. Unscheduled New FCP-3 Business**

#### **5.1 FCP-3 Revision 1 Comments, George Penokie**

No action was taken on the comments.

### **6. Review of action items**

AI 2 – Erich Oetting. Write a proposal to define a ASC for FCP-3 and SPC-3 to return when FCP\_DL and the CDB conflict.

(opened 11/04/03)

AI 3 – Editor. Add normative text to FCP-3 to state that an initiator shall always send a PRLI in Fibre Channel Point-to-Point topology.

(opened 11/04/03)

AI 4 – Kevin Butt. Investigate clarification of target initiated REC behavior.

(opened 11/04/03)

### **7. Future meeting plans**

There will not be an FCP-3 meeting in January, 2004. The results from the January, 2004 CAP meeting will determine the need for a March, 2004 meeting.

### **8. Adjournment (FCP-3 WG)**

The meeting was adjourned at 12:30 PM (CST) Tuesday, November 4, 2003.

## 9. Attendance

Name	Status	Company Represented	Email
1) Ms. Pat Thaler	P	Agilent Technologies	<a href="mailto:pat_thaler@agilent.com">pat_thaler@agilent.com</a>
2) Mr. Robert Griswold	P	Crossroads Systems, Inc.	<a href="mailto:rgriswold@crossroads.com">rgriswold@crossroads.com</a>
3) Mr. John Tyndall	A	Crossroads Systems, Inc.	<a href="mailto:jtyndall@crossroads.com">jtyndall@crossroads.com</a>
4) Mr. Robert H. Nixon	P	Emulex	<a href="mailto:bob.nixon@emulex.com">bob.nixon@emulex.com</a>
5) Mr. Ralph O. Weber	P	ENDL Texas	<a href="mailto:roweber@ieee.org">roweber@ieee.org</a>
6) Mr. Michael Banther	V	Hewlett Packard Co.	<a href="mailto:michael_banther@hp.com">michael_banther@hp.com</a>
7) Mr. Rob Elliott	P	Hewlett Packard Co.	<a href="mailto:Elliott@hp.com">Elliott@hp.com</a>
8) Mr. George O. Penokie	P	IBM / Tivoli Systems	<a href="mailto:gop@us.ibm.com">gop@us.ibm.com</a>
9) Mr. Kevin Butt	AV	IBM Corp.	<a href="mailto:kdbutt@us.ibm.com">kdbutt@us.ibm.com</a>
10) Mr. John Lohmeyer	P	LSI Logic Corp.	<a href="mailto:lohmeier@t10.org">lohmeier@t10.org</a>
11) Mr. Edward A. Gardner	AV	Ophidian Designs	<a href="mailto:eag@ophidian.com">eag@ophidian.com</a>
12) Mr. Greg Elkins	V	QLogic	<a href="mailto:greg.elkins@qlogic.com">greg.elkins@qlogic.com</a>
13) Mr. Paul Entzel	P	Quantum Corp.	<a href="mailto:paul.entzel@quantum.com">paul.entzel@quantum.com</a>
14) Mr. Jim Jones	A	Quantum Corp.	<a href="mailto:jim.jones@quantum.com">jim.jones@quantum.com</a>
15) Mr. David Peterson	P	SBS Technologies	<a href="mailto:dap@sbs.com">dap@sbs.com</a>
16) Mr. Jim Coomes	A	Seagate Technology	<a href="mailto:jim.coomes@seagate.com">jim.coomes@seagate.com</a>
17) Mr. Gerald Houlder	P	Seagate Technology	<a href="mailto:gerry.houlder@seagate.com">gerry.houlder@seagate.com</a>
18) Dr. Paul Suhler	V	Seagate Technology	<a href="mailto:Paul.A.Suhler@certance.com">Paul.A.Suhler@certance.com</a>
19) Mr. Erich Oetting	P	Storage Technology Corp.	<a href="mailto:erich_oetting@stortek.com">erich_oetting@stortek.com</a>
20) Mr. Charles Binford	A	Sun Microsystems, Inc.	<a href="mailto:Charles.Binford@sun.com">Charles.Binford@sun.com</a>
21) Mr. Vit Novak	P	Sun Microsystems, Inc.	<a href="mailto:vit.novak@sun.com">vit.novak@sun.com</a>
22) Mr. Kenneth Hirata	P	Vixel Corp.	<a href="mailto:Ken.Hirata@Vixel.com">Ken.Hirata@Vixel.com</a>

Status Key:

P – Principal  
 A,A# - Alternate  
 AV - Advisory Member  
 L – Liaison  
 V - Visitor