

# Draft Minutes

## T11.3 FC-BB-5 ad hoc work group teleconference

### 15 May 2009 - 11 AM to 12 PM PDT

version 1 corrected spelling errors

The FC-BB-5 ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a teleconference on 15 May 2009, hosted by Cisco. Attendance was 15 people from 9 organizations and is tabulated at the end of this document.

Minutes were taken by Bob Nixon (Emulex) (bob.nixon@emulex.com). Please report any corrections by email to the T11.3 reflector at T11\_3@mail.T11.org.

## 1 Opening remarks

### 1.1 Introductions

Chairperson Claudio DeSanti (Cisco) opened the teleconference Wednesday, 15 May 2009 at 11:15 AM PDT. He advised that the online attendance pages at [www.t11.org/att](http://www.t11.org/att) will be used for introductions and attendance.

## 2 Meeting Policy

The chair assured that all persons attending had seen the INCITS patent policy in pages 1-3 of [http://www.incits.org/pat\\_slides.pdf](http://www.incits.org/pat_slides.pdf).

## 3 Administrivia

### 3.1 Approval of Agenda

The agenda announced for this meeting was to continue resolution of T11 letter ballot comments against FC-BB-5. This agenda was approved by unanimous acquiescence.

### 3.2 Review of Minutes

Minutes for the following FC-BB-5 ad hoc work group meetings have been posted:

- a) meeting 1 April 2009 as T11/09-232v0;
- b) teleconference 16 April 2009 as T11/09-245v1;
- c) teleconference 27 April 2009 as T11/09-257v0; and
- d) teleconference 11 May 2009 as T11/09-267v0.

Review of minutes was deferred until the next regular meeting.

## 4 Review of Old Action Items

Review of incomplete action items was deferred until the next regular meeting.

## 5 Presentations relevant to letter ballot comment resolution

### 5.1 LESB Text T11/09-262v1 **Peterson (Brocade)**

One additional clarification was made, that the Errored Block Count field is a cumulative counter of “the events counted by” the corresponding 8-bit 802.3 counter.

**Dave Peterson moved and Claudio DeSanti seconded to incorporate T11/09-262v1 with the revision agreed at the FC-BB-5 teleconference 15 May 2009 as the resolution to letter ballot comment IBM-020. The motion was accepted unanimously.**

### 5.2 FCoE Link Incidents T11/09-264v0 **Hathorn (IBM)**

The presentation proposed an approach to mapping FC-LS-2 link incident reporting to FCoE links. Those in attendance found no significant difficulties with his approach. The editor will prepare proposed specification text for review at the next meeting.

**ACTION FC-BB-5 Editor to propose detailed text changes to specify the technical approach described in T11/09-264v0.**

## 6 Review of Action Items

Review of incomplete action items was deferred until the next regular meeting. Incomplete action items are listed here for convenience of the reader.

- 090401-1 David Black to review Annex D of FC-BB-5 1.05.
- 090401-2 Claudio DeSanti to publish a new document reflecting T11/09-200v0 amended as agreed at the FC-BB-5 ad hoc work group regular meeting 1 April 2009.  
(Completed by posting of T11/09-200v1)
- 090401-3 FC-BB-5 editor to check all uses of “FCoE frame” to assure that they do not exceed the scope of the definition of FCoE frame.  
(Completed by posting of T11/09-251v0)
- 090401-4 Claudio DeSanti to publish T11/09-201v0, reflecting the unpublished draft developed at the FC-BB-5 ad hoc work group regular meeting 1 April 2009.  
(Completed by posting of T11/09-201v0)
- 090401-5 FC-BB-5 chair to request T11.3 to request T11 to acquire a private enterprise number from IANA for use in standards developed by T11.  
(Completed by posting of T11/09-250v0)
- 090401-6 FC-BB-5 secretary to send email to the T11.3 reflector advising that the FC-BB-5 work group expects to adopt specifications based on T11/09-204v0, which includes different definitions of the LESB counters in FCoE than those in FC-FS-3.  
(Completed by email 21 April 2009, Nixon to T11.2 and T11.3 distributions)
- 090401-7 Silvano Gai to post a T11 proposal documenting the pre-FIP implementation.

- 090401-8 FC-BB-5 chair to schedule up to 5 teleconferences to discuss resolutions to open technical issues.  
(Completed by postings on the T11 web site)
  
- 090427-1 Dave Peterson to prepare proposed text for incorporation of proposal T11/09-204v2, amended as agreed at the FC-BB-5 ad hoc work group teleconference 27 April 2009, and post that text for review at the FC-BB-5 teleconference 11 May 2009.  
(Completed by posting of T11/09-262v0)
  
- 090427-2 FC-BB-5 Editor to incorporate T11/09-251v0, amended as agreed at the FC-BB-5 ad hoc work group teleconference 27 April 2009, into FC-BB-5.  
(Completed by posting of FC-BB-5 draft revision 1.06, T11/09-056v2)
  
- 090427-3 FC-BB-5 Editor to prepare a new revision of FC-BB-5 and post it for review at the FC-BB-5 ad hoc work group teleconference 11 May 2009.  
(Completed by posting of FC-BB-5 draft revision 1.06, T11/09-056v2)
  
- 090515-1 FC-BB-5 Editor to propose detailed text changes to specify the technical approach described in T11/09-264v0.

## **7 Meeting Schedule**

### **7.1 Interim meetings**

A teleconferences has been scheduled for 11 AM - 12 PM PDT Tuesday 26 May 2009.

### **7.2 Next Plenary Week**

Five hours have been scheduled on Wednesday June 3 at the T11 plenary week hosted by FCIA in Coeur d'Alene ID, 1-5 June 2009.

## **8 Adjournment**

The teleconference was adjourned by unanimous disconnection at 12:10 PM PDT on 15 May 2009.

## **9 Status of Open Proposals**

Closures will be carried until the next regular meeting.

<b>Document Title</b>	<b>Number</b>	<b>Disposition</b>	<b>Author</b>
Letter Ballot Comment database	T11/09-010	Carry for continued comment resolution. Latest version presented was T11/09-010v8	Peterson (Brocade)
FCoE Link Error Status Block	T11/09-204	Closed, replaced by T11/09-262. Last presented version of T11/09-204 was T11/09-204v2.	Hathorn (IBM)
David Black's response to EMC-077	T11/09-244	Carry, discussion of T11/09-244v2 was deferred.	Black EMC

Document Title	Number	Disposition	Author
FCoE frame or FCoE PDU?	T11/09-251	Close. Version accepted was T11/09-251v0 with a minor change.	DeSanti (Cisco)
Private Enterprise Number for FCoE MIB	T11/09-250	Close. Version accepted was T11/09-250v0.	DeSanti (Cisco)
LESB Text	T11/09-262	Close. Version accepted was T11/09-262v1 with a minor revision.	Peterson (Brocade)
FCoE Link Incidents	T11/09-264v0	Carry pending replacement by a detailed text proposal. T11/09-264v0 was presented.	Hathorn (IBM)

## 10 Attendance

Organization	Representative
BROADCOM	Pat Thaler
BROCADE	David Peterson
CISCO SYSTEMS	Fabrizio Corno
CISCO SYSTEMS	Landon Noll
CISCO SYSTEMS	Silvano Gai
CISCO SYSTEMS, INC.	Claudio DeSanti
EMC	Erik Smith
EMULEX	Bob Nixon
HCL TECHNOLOGIES LTD.	Prakash Venkatesen
HCL TECHNOLOGIES LTD.,	rijesh kp
IBM	Roger Hathorn
MELLANOX TECHNOLOGIES	Diego Crupnicoff
NETAPP	Frederick Knight
QLOGIC CORP	Alan Spalding
QLOGIC CORP.	Craig W. Carlson