

**Minutes Fibre Channel Protocol (T11.3)  
Task Group plenary meeting #85  
2012 April 09 – 10:30 to 11:30 CDT  
Nashville, Tennessee, US**

## **1 Opening remarks and introductions**

The chair convened plenary meeting #85 of the Fibre Channel Protocol (T11.3) Task Group on 2012 April 09 at 10:30 CDT. He introduced himself as Craig Carlson (QLogic), and FCIA for the meeting facilities. Then Bill Martin (Emulex) introduced himself as vice-chair and Landon Noll (Cisco) introduced himself as secretary. Members introduced themselves.

## **2 Approval of the Agenda**

An electronic version of the agenda, **T11/12-114v0**, and supporting documents were made available among the documents for this meeting. The agenda was in HTML format with links to the appropriate supporting documents. The chair presented the agenda and made a call for any new agenda items. No new items were requested.

Sandy Wilson (Fujitsu) moved and Bill Martin (Emulex) seconded that **T11/12-114v0** be approved as posted as the agenda for this meeting. The motion passed unanimously.

## **3 Administrative Matters**

### **3.1 T11.3 Admin Is Trivia**

The chair, Craig Carlson (QLogic), stated that T11.3 administrative information is available among the documents for this meeting: Starting with the web page (<http://www.t11.org/admin.html>), links lead to contact information for T11.3 officers, membership rules, project information, procedures and operating rules, patent rules, and internet resources. The chair recommended that members familiarize with these rules so the business of the Task Group may be conducted expeditiously. Members were advised to see any of the officers if they require additional assistance.

### **3.2 Document Distribution**

The chair instructed those present how to access meeting documents via the T11 Web Site Center page (<http://www.t11.org/t11/arc.nsf/front>).

### **3.3 Other matters of grave concern**

The chair instructed those present how to register using the electronic attendance list for this meeting. He reminded those present that the electronic attendance list would become the only formal record of attendance at this meeting.

## **4 Patents**

The chair presented an overview of INCITS patent policies and guidelines, as found in INCITS Policies and Guidelines ([http://www.incits.org/pat\\_slides.pdf](http://www.incits.org/pat_slides.pdf)) sub clause 8.4. In accordance with those policies, the chair made a call for patents that related to the standards being developed by this task group. Those companies wishing to

file a patent declaration should send it to the chair of TC T11, with copies to Lynn Barra at INCITS (lbarra@itic.org).

## **5 Antitrust Policies**

The chair noted that the INCITS Antitrust Guidelines applied to this task group meeting. The chair further noted that it was the responsibility of all attendees, and not just the officers, to ensure that the Guidelines are followed, and to terminate discussions if they are not. As examples, there should never be discussion of the following topics at any INCITS or INCITS subgroup meeting:

Any company's prices or pricing policies;

Specific R&D, sales and marketing plans;

Any company's confidential product, product development or production strategies;

Whether certain suppliers or customers will be served;

Prices paid to input sources; or

Complaints about individual firms or other actions that might tend to hinder a competitor in any market.

The INCITS Antitrust Guidelines are available on the INCITS web site (<http://www.incits.org/inatrust.htm>).

## **6 Attendance and Membership**

### ***6.1 Current membership list***

The chair encouraged those who attend T11 meetings regularly or intend to attend T11 meetings regularly and are not T11 members to consider joining the organization.

Information on how membership is gained, maintained, and lost in any INCITS Technical Committee or Task Group may be found in INCITS Organization and Procedures ([http://www.incits.org/rd2/INCITS\\_RD2.pdf](http://www.incits.org/rd2/INCITS_RD2.pdf)) sub clause 4.2. An overview of these requirements was introduced by the chair and was available to all attendees in the electronically distributed meeting documents.

The vice chair presented the current list of members and representatives, and invited corrections. The membership effective for this meeting, as adjusted for changes introduced at this meeting, is shown in Annex A. Attendance for this meeting is shown in Annex B.

### ***6.2 Voting memberships in jeopardy***

Representatives of two member organizations were informed by email that their organization was in jeopardy of losing their voting membership as the result of not attending the required number of committee meetings.

Hitachi Data Systems: Eric Hibbard was present so Hitachi Data Systems retained their voting membership.

Mellanox: Diego Crupnicoff was present so Mellanox retained their voting membership.

### ***6.3 Changes in Membership***

#### **6.3.1 Changes in representation since last meeting**

Dell:

Hiren Desai became Principal, Gaurav Chawla, Jeff Young, and Han Wang become Alternates, Bhavesh Patel, John D'Ambrosia, and Subi Krishnamurthy are removed as Alternates, Glenn Virball and Brad Booth remain Alternates.

### **6.3.2 New voting memberships**

VMware became a voting member with Neil MacLean present

Neil MacLean	Principal
Lawrence Lamers	Alternate
Sandeep Uttamchandani	Alternate

### **6.3.3 Voting memberships changed for other reasons**

None

### **6.3.4 Changes in advisory membership**

There were no changes in advisory membership.

### **6.3.5 New emeritus membership**

None

### **6.3.6 Membership for this meeting and call for quorum**

Task Group T11.3 had 19 voting members at the T11.3 plenary meeting 2012 February 9. With

- 1 new voting member organizations (see 6.3.2);
- 0 voting member organizations losing voting membership for not attending the required number of meetings (see 5.2); and
- 0 voting member organizations losing voting membership for other reasons (see 5.3.3),

the voting membership of T11.3 has increased with 20 voting members this meeting.

### **6.3.7 Quorum Call**

18 members responded to the call for quorum. One third of the total membership for this meeting is 7. The number 18 exceeds or equals one third of the total membership for this meeting and also exceeds or equals 4. A quorum is therefore present for this meeting.

## **7 Approval of Minutes - Meeting #83 and #84**

The prior plenary meeting of the Fibre Channel Protocol (T11.3) Task Group was #83 on 2011 December 08. The draft minutes of that meeting were posted as document [T11/11-524v0](#).

You may review the T11.3 minutes by reviewing the version that is posted on the web site and requesting corrections either before the subsequent meeting using the Internet mail reflector ([t11.3@mail.t11.org](mailto:t11.3@mail.t11.org)) or at the subsequent meeting in person.

Roger Hathorn (IBM) moved and Eric Smith (EMC) seconded to accept **T11/11-524v0** as modified at this meeting as the minutes of T11.3 meeting #83 on 2011 December 08. The motion passed 16 Favoring, 1 Opposing, 1 Abstaining. Cisco voted no because it is uncomfortable with the way that INCITS staff required that the minutes be changed from what was originally recorded at the meeting.

The prior plenary meeting of the Fibre Channel Protocol (T11.3) Task Group was #84 on 2012 February 09. The draft minutes of that meeting were posted as document **T11/12-090v0**.

You may review the T11.3 minutes by reviewing the version that is posted on the web site and requesting corrections either before the subsequent meeting using the Internet mail reflector ([t11.3@mail.t11.org](mailto:t11.3@mail.t11.org)) or at the subsequent meeting in person.

Roger Hathorn (IBM) moved and Eric Smith (EMC) seconded to accept **T11/12-090v0** as posted at this meeting as the minutes of T11.3 meeting #84 on 2012 February 09. The motion passed unanimously.

## 8 Review of Old Action Items

ACTION 11-018	T11.3 secretary to post <b>T11/11-524v0</b> as the draft minutes of T11.3 meeting #83. See Section 7. Completed by the T11.3 Chair.
ACTION 12-001	Clerk <i>pro tem</i> to post the draft minutes of this meeting (i.e., #84) as <b>T11/12-090v0</b> . See Section 7. Completed by the Clerk <i>pro tem</i> .

## 9 Liaison Reports

### 9.1 TC T11 and INCITS

T11 chair Steve Wilson (Brocade) asked if anyone wanted him to review the T11 TC report to other committees (posted as **T11/12-105v0**). When no one requested a review of the report, Steve noted that the report is always available on the T11 web site for future inspection. Steve Wilson (Brocade) presented extracts relevant to T11.3 from the INCITS Report to T11 posted as **T11/12-126v0**.

### 9.2 Joint T11.3/T10 (FCP-4, etc.)

There was no report for Joint T11.3/T10 activity this meeting.

### 9.3 IETF

Landon Noll (Cisco), on behalf of David Black (EMC), presented information on activity at IETF posted in **T11/12-167v0**. David Peterson (Brocade) was thanked for his excellent efforts on behalf of SP-BB-5 AM1. David Black (EMC) was thanked for his years of submitting liaison reports on time and containing useful content.

### 9.4 T1X1/ITU

There was no report for Joint T1X1/ITU activity this meeting.

### 9.5 Other liaison reports

No other liaison reports were presented.

## **10 Project Status**

### **10.1 FC-BB-5 AM1**

There has been no FC-BB-5 AM1 ad hoc activity since the last plenary meeting of this Task Group. No report was given.

### **10.2 FC-BB-6**

Claudio DeSanti (Cisco) presented the information posted as [T11/12-178v0](#) about FC-BB-6 ad hoc activity since the last plenary meeting of this Task Group.

### **10.3 FC-FS-4**

David Peterson (Brocade) presented the information posted as [T11/12-157v0](#) about FC-FS-4 ad hoc activity since the last plenary meeting of this Task Group.

### **10.4 FC-GS-7**

Lou Ricci (IBM) presented the information posted as [T11/12-138v0](#) about FC-GS-7 ad hoc activity since the last plenary meeting of this Task Group.

### **10.5 FC-LS-3**

Bill Martin (Emulex) presented the information posted as [T11/12-175v0](#) about FC-LS-3 ad hoc activity since the last plenary meeting of this Task Group.

### **10.6 FC-SB-5**

Roger Hathorn (IBM) presented the information posted as [T11/12-180v0](#) about FC-SB-5 ad hoc activity since the last plenary meeting of this Task Group.

### **10.7 FC-SP-2**

There has been no FC-SP-2 ad hoc activity since the last plenary meeting of this Task Group. No report was given.

### **10.8 FC-SW-6**

Craig Carlson (QLogic) presented the information posted as [T11/12-179v0](#) about FC-SW-6 ad hoc activity since the last plenary meeting of this Task Group.

### **10.9 Joint T11.2/T11.3**

There was no joint T11.2/T11.3 meeting during this plenary week.

## **11 Other Business and Technical Items**

Neither additional business nor technical items were discussed in the Plenary.

## 12 Review T11.3 Project Status

The current project status is available among the electronically distributed meeting documents as well as on the T11 web site (<http://www.t11.org/t11/docreg.nsf/center>). The chair asked that if the facilitators or any one else finds errors that they inform him.

## 13 Future Meeting Schedule

### 13.1 Plan for the next meeting week

FCIA will host the next T11 meeting on 2012 June 08 in Lake Placid, New York.

Refer to the T11 web site (<http://www.t11.org/t11/docreg.nsf/center>) for the meeting announcement, which will always contain the latest information on future T11.3 plenary meetings.

PLEASE NOTE: If there is any conflict between the website schedule database, and the single ASCII sheet, the database is to be considered correct.

### 13.2 Ad-hoc meetings

Refer to the T11 web site (<http://www.t11.org/t11/docreg.nsf/center>). This URL will always contain the latest announcements of pending work group interim meetings and teleconferences.

## 14 Action Items

ACTION 12-002	T11.3 secretary to post <b>T11/12-168v0</b> as the draft minutes of T11.3 meeting #85. See Section 7.
ACTION 12-003	T11.3 Chair to identify someone to serve as T11.3 Clerk <i>pro tem</i> for meeting #086 due to the fact that the T11.3 secretary will be observing the very rare Transit of Venus during that plenary week and that the T11.3 secretary does not wish to wait until 2117 Dec 11 in order to observe a Venusian transit.

## 15 Final Attendance Notice/Check

The chair reviewed the electronically registered attendance list, advised that the list was about to close, and reminded those who had not registered that the list would then become the only formal record of attendance at this meeting.

## 16 Adjournment

Bill Martin ([Emulex](#)) moved and Sandy Wilson ([Fujitsu](#)) seconded to adjourn at 2012 April 09 10:54 CDT. The motion passed unanimously.

## A Membership

Reflecting the changes at this meeting, the voting membership of T11.3 for this meeting is:

Organization	Name	Principal/ Alternate
Broadcom	Pat Thaler	Principal

	Ali Ghiasi	Alternate
Brocade	David Peterson Steven L. Wilson John Crandall	Principal Alternate Alternate
Cisco Systems, Inc.	Claudio DeSanti Landon Noll Fabio Maino Joe Pelissier	Principal Alternate Alternate Alternate
Dell	Hiren Desai Gaurav Chawla Han Wang Glenn Virball Brad Booth Jeff Young	Principal Alternate Alternate Alternate Alternate Alternate
EMC	Gary S. Robinson David Black Erik Smith	Principal Alternate Alternate
Emulex	William R. Martin Hossein Hashemi	Principal Alternate
ENDL	Ralph Weber Dal Allan	Principal Alternate
Fujitsu	Sandy Wilson Eugene Owens Jim Decaires Mark Malcom Kun Katsumata	Principal Alternate Alternate Alternate Alternate
Hitachi Data Systems	Eric Hibbard Vincent Franceschini Michael Hay	Principal Alternate Alternate
Hewlett Packard	Barry Maskas Babu Puttagunta Bill Kerr Nava Navaruparajah Rupin Mohan Siamack Ayandeh	Principal Alternate Alternate Alternate Alternate Alternate
IBM	Scott Carlson Roger Hathorn Louis Ricci Chetan Yalowal	Principal Alternate Alternate Alternate
Intel	Prafulla Deuskar	Principal
JDSU	Jason Rusch	Principal

	Scott Baxter Paul Gentieu George Bullis	Alternate Alternate Alternate
Juniper	Joseph White Simon Gordon	Principal Alternate
LSI	John Lohmeyer Adam Healey	Principal Alternate
Mellanox	Diego Crupnicoff Trevor Caulder Dror Goldenberg	Principal Alternate Alternate
NetApp	Frederick Knight Denise Ridolfo Alan Yoder	Principal Alternate Alternate
Oracle	Roger Dickerson Matt Gaffney Ajoy Siddabathuni Hyon Kim Michael Roy Doug Meyers	Principal Alternate Alternate Alternate Alternate Alternate
QLogic	Craig W. Carlson Ed McGlaughlin	Principal Alternate
VMware	Neil MacLean Lawrence Lamers Sandeep Uttamchandani	Principal Alternate Alternate

Reflecting the changes at this meeting, the advisory (i.e., nonvoting) membership of T11.3 for this meeting is:

<b>Organization</b>	<b>Name</b>	<b>Principal/ Alternate</b>
Jeda Networks	Ken Hirata	Principal
Microsoft	Steve Olsson Calvin Chen Paul Luber James Borden	Principal Alternate Alternate Alternate
Panduit	Robert Elliot Steve Skiest Robert Reid Jose Castro	Principal Alternate Alternate Alternate
Teradyne	Eracar Yonet	Principal
Unisys	Jeffrey Dremann Diep Nguyen	Principal Alternate



	Jose Macias Phil Shelton	Alternate Alternate
Virtual Instruments	Skip Bacon	Principal

Reflecting the changes at this meeting, these people have been granted Emeritus membership in INCITS Fibre Channel (T11) Technical Committee, recognizing their many years of skilled leadership and high quality technical contribution:

Bill Ham  
Gary Stephens  
James Coomes  
Robert W. Kembel  
Joseph R. Mathis  
Horst Truestedt

## **B Attendance**

The following table lists those persons who electronically recorded their attendance at this plenary meeting. This includes representatives from voting member companies and may include representatives from non-voting advisory companies, as well as non-voting emeritus members and visitors.

This table also records the affiliations claimed by those who registered their attendance. The presence of a company or organization in the affiliation column does not imply that it is a member of T11.3, nor does it imply that the person in attendance is a representative of that company or organization.

See "Section A: Membership" above for a complete list of voting members of T11.3 as well as a list of non-voting advisory companies and emeritus members.

<b>Sequence</b>	<b>Affiliation</b>	<b>Name</b>
1	BROADCOM	Pat Thaler
2	BROCADE	David Peterson
3	BROCADE	Steven L. Wilson
4	CISCO SYSTEMS	Landon Noll
5	CISCO SYSTEMS, INC.	Claudio DeSanti
6	DELL	Hiren Desai
7	EMC	Erik Smith
8	EMULEX	William R. Martin
9	ENDL TEXAS	Ralph Weber
10	FISCHER INTERNATIONAL SYSTEMS	James Fortner
11	FUJITSU AMERICA, INC.	Sandy Wilson

12	HEWLETT-PACKARD	Siamack Ayandeh
13	HEWLETT-PACKARD COMPANY	Nadaraha (Nava) Navaruparajah
14	HITACHI DATA SYSTEMS	Eric Hibbard
15	IBM	Roger Hathorn
16	INTEL CORPORATION	Prafulla Deuskar
17	JDSU	Jason Rusch
18	JUNIPER	Joseph White
19	LSI CORP.	John Lohmeyer
20	MELLANOX TECHNOLOGIES	Diego Crupnicoff
21	NETAPP	Frederick Knight
22	ORACLE	Roger Dickerson
23	QLOGIC CORP.	Craig W. Carlson
24	VMWARE	Neil MacLean