

**Minutes Fibre Channel Protocol (T11.3)
Task Group plenary meeting #74
2010 June 10 – 11:00 to 12:00 CT
Minneapolis, MN, US**

1 Opening remarks and introductions

The chair convened plenary meeting #74 of the Fibre Channel Protocol (T11.3) Task Group on 2010 June 10 at 11:00 CT. He introduced himself as Craig Carlson (QLogic), and thanked Chris Lyon 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, [T11/10-215v2](#), 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.

Bill Martin (Emulex) moved and Roger Cummings ([Symantec](#)) seconded that [T11/10-215v2](#) be approved as amended 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>). Documents for the meeting were also distributed via flash memory modules.

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) 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/in0800311.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 B.

6.2 Voting memberships in jeopardy

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

Broadcom:

Ali Ghiasi was present so Broadcom retained their voting membership.

Hitachi Data Systems:

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

Microsoft:

James Borden was present so Microsoft retained their voting membership

Panduit:

Robert Elliot was present so Panduit retained their voting membership.

6.3 Changes in Membership

6.3.1 Changes in representation since last meeting

The following changes in member representation have been made since the last meeting:

HP:

Nava Navaruparajah becomes an Alternate, Barry Maskas remains as Principal, Bill Kerr, Sean Fitzpatrick and Babu Puttagunta remain as Alternates.

6.3.2 New voting memberships

Juniper:

became a new voting member with Joseph White present at this meeting.

Intel:

Became a new member with Prafulla Deuskar present at this meeting.

6.3.3 Voting memberships changed for other reasons

None

6.3.4 Changes in advisory membership

Force10:

became a new advisory member with John D'Ambrosia as Principal, Subi Krishnamurthy as Alternate.

6.3.5 Membership for this meeting and call for quorum

Task Group T11.3 had 23 voting members at the T11.3 plenary meeting 2010 April 1. With

2 new voting member organizations (see 5.3.2);

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 by two with 25 members this meeting.

6.4 Quorum Call

20 members responded to the call for quorum. One third of the total membership for this meeting is 9. The number 20 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 #73

The prior plenary meeting of the Fibre Channel Protocol (T11.3) Task Group was #73 on 2010 April Fools Day 01. The draft minutes of that meeting were posted as document [T11/10-191v1](#).

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) or at the subsequent meeting in person.

Louis Ricci (IBM) moved and Horst Truedstedt (TrueFocus) seconded to accept [T11/10-191v1](#) as modified/posted at this meeting as the minutes of T11.3 meeting #73 on 2010 April 01. The motion passed unanimously.

8 Review of Old Action Items

ACTION 10-002	T11.3 Secretary to revise and post minutes of T11.3 meeting #73. See Section 7. Completed.
ACTION 10-003	T11.3 Chair to request T11 to forward the project proposal for FC-MI-3 (document T11/10-191v1 as modified) to INCITS for further processing. See Section 11.2. Completed.

9 Liaison Reports

9.1 TC T11 and INCITS

Steve Wilson (Brocade) presented extracts relevant to T11.3 from the T11 Liaison Report posted as [T11/10-196v0](#).

Steve Wilson (Brocade) presented extracts relevant to T11.3 from the T11 Activities Report posted as [T11/10-234v0](#).

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

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

9.3 IETF

David Black (EMC) presented the information on activity at IETF posted in [T11/T11/10-292v0](#).

9.4 T1X1/ITU

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

9.5 Other liaison reports

No other liaison reports were presented.

10 Project Status

10.1 FC-BB-6

Claudio DeSanti (Cisco) presented the information posted as [T11/10-284v0](#) about FC-BB-6 ad hoc activity since the last plenary meeting of this Task Group.

10.2 FC-DA-2

Bill Martin (Emulex) presented the information posted as [T11/10-282v0](#) about FC-DA-2 ad hoc activity since the last plenary meeting of this Task Group.

10.3 FC-GS-7

Bob Nixon (Emulex) presented the information posted as [T11/10-276v0](#) about FC-GS-7 ad hoc activity since the last plenary meeting of this Task Group.

10.4 FC-IFR

David Peterson (Brocade) moved and Bill Martin (Emulex) seconded to request T11 to recommend to T11.3 to accept T11/10-063v2 as the resolution of the letter ballot comments on FC-IFR and forward the latest draft (version 1.06) of FC-IFR ([T11/10-138v0](#)), Project 1745-D, to T11 for further processing. The motion passed 21 Favoring, 0 Opposing, 0 Abstaining.

Both previously submitted no votes, from Qlogic and Cisco Systems, have indicated they will change their vote to a yes.

See ACTION 10-005.

10.5 FC-LS-2

Bill Martin (Emulex) presented the information posted as [T11/10-281v0](#) about FC-LS-2 ad hoc activity since the last plenary meeting of this Task Group.

10.6 FC-MI-3

Lou Ricci (IBM) presented the information posted as [T11/10-278v0](#) about FC-MI-3 ad hoc activity since the last plenary meeting of this Task Group.

10.7 FC-SCM

Claudio DeSanti (Cisco) presented the information posted as [T11/10-283v0](#) about FC-SCM ad hoc activity since the last plenary meeting of this Task Group.

10.8 FC-SP-2

Landon Noll (Cisco) presented the information posted as [T11/10-290v0](#) about FC-SP-2 ad hoc activity since the last plenary meeting of this Task Group.

10.9 Joint T11.2/T11.3

Information posted as [T11/10-288v0](#) about the joint T11.2/T11.3 meeting was mentioned.

11 Other Business and Technical Items

11.1 FC-SW-6 Project Proposal

Steve Wilson (Brocade) moved and Sandy Wilson (Fujitsu) seconded to accept the Project Proposal for FC-SW-6 ([T11/10-220v1](#)) and forward to T11 for further processing. The motion passed 20 Favoring, 0 Opposing, 0 Abstaining.

See ACTION 10-006.

11.2 FC-FS-3 Clarification

Craig Carlson (QLogic) moved and Bill Martin (Emulex) seconded to request T11 to approve the changes to Revision 1.00 of FC-FS-3 as specified in [T11/10-221v1](#) and forward to T11 for a T11 Letter Ballot. The motion passed 21 Favoring, 0 Opposing, 0 Abstaining.

See ACTION 10-007.

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 August 2010 T11 week

FCIA will host the next T11 meeting on 2010 August 2-6 in Chicago, IL.

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 10-004	T11.3 Secretary to revise and post minutes of T11.3 meeting #74. See Section 7.
ACTION 10-005	T11.3 Chair to request T11 to recommend to T11.3 to accept T11/10-063v2 as the resolution of the letter ballot comments on FC-IFR and forward the latest draft (version

	1.06) of FC-IFR (<u>T11/10-138v0</u>), Project 1745-D, to T11 for further processing. See Section 10.5.
ACTION 10-006	T11.3 Chair to request T11 to accept the Project Proposal for FC-SW-6 (<u>T11/10-220v1</u>) and forward to T11 for further processing. See Section 11.1.
ACTION 10-007	T11.3 Chair to request T11 to approve the changes to Revision 1.00 of FC-FS-3 as specified in <u>T11/10-221v1</u> and forward to T11 for a T11 Letter Ballot. See Section 11.2.

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

Horst Truedstedt (TrueFocus) moved and Eric Hlbbard (Hitachi DS) seconded to adjourn at 2010 June 10 11:37 CST. 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
Blade	Tienwei (Tim) Chao Chetan Yaliwal	Principal Alternate
Broadcom	Pat Thaler Ali Ghiasi	Principal Alternate
Brocade	David Peterson Steven L. Wilson	Principal Alternate
Cisco Systems, Inc.	Claudio DeSanti Landon Noll Fabio Maino Joe Pelissier Silvano Gai	Principal Alternate Alternate Alternate Alternate
Dell	Gaurav Chawla Bhavesh Patel Glenn Virball	Principal Alternate Alternate
EMC	Gary S. Robinson David Black Erik Smith	Principal Alternate Alternate
Emulex	Bob Nixon William R. Martin	Principal Alternate
ENDL	Ralph Weber	Principal

	Dal Allan	Alternate
Fujitsu	Sandy Wilson Jim Decaires Eugene Owens Mark Malcom Kun Katsumata	Principal Alternate Alternate Alternate Alternate
Hitachi Data Systems	Eric Hibbard Vincent Franceschini	Principal Alternate
Hewlett Packard	Barry Maskas Bill Kerr Sean Fitzpatrick Babu Puttagunta Nava Navaruparajah	Principal Alternate Alternate Alternate Alternate
IBM	Scott Carlson Roger Hathorn Louis Ricci	Principal Alternate Alternate
Intel	Prafulla Deuskar	Principal
JDSU	Jason Rusch Scott Baxter Tim Beyers Paul Gentieu George Bullis	Principal Alternate Alternate Alternate Alternate
Juniper	Simon Gordon Joseph White Suresh Boddapat	Principal Alternate Alternate
LSI	John Lohmeyer Adam Healey Curtis Ridgeway	Principal Alternate Alternate
Mellanox	Diego Crupnicoff Trevor Caulder Dror Goldenberg	Principal Alternate Alternate
Microsoft	Albert Chen Calvin Chen James Borden	Principal Alternate Alternate
NetApp	Frederick Knight Denise Ridolfo Alan Yoder	Principal Alternate Alternate
Oracle	Roger Dickerson Matt Gaffney Ajoy Siddabathuni Hyon Kim	Principal Alternate Alternate Alternate

	Michael Roy Doug Meyers	Alternate Alternate
Panduit	Robert Elliot Steve Skiest Robert Reid Gaston Tudury	Principal Alternate Alternate Alternate
QLogic	Craig W. Carlson Ed McGlaughlin	Principal Alternate
Symantec	Roger Cummings	Principal
True Focus	Horst Truestedt Jeanne Truestedt	Principal Alternate
VMware	Lawrence Lamers Scott Davis	Principal Alternate

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

Organization	Name	Principal/ Alternate
Agilent	Joachim Vobis Neal O'Gorman	Principal Alternate
CIENA	Martin Hunt Jim Morin	Principal Alternate
Finisar	Jason Rusch Paul Gentieu Scott Baxter Tim Beyers	Principal Alternate Alternate Alternate
Force10	John D'Ambrosia Subi Krishnamurthy	Principal Alternate
Huawei Symantec	Michael Ko Jack Lee	Principal Alternate
PMC-Sierra	Brian L'Ecuyer	Principal
Seagate	Allen Kramer James Coomes Martin Czekalski	Principal Alternate Alternate
UNH IOL	Mikkel Hagen Dustin Schoenbrun David Woolf Jacob Donigian	Principal Alternate Alternate Alternate
Unisys	Jeffrey Dremann Diep Nguyen Jose Macias	Principal Alternate Alternate

	Phil Shelton	Alternate
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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

B Attendance

The following is the list of companies and their representatives recorded as attending this meeting by the online attendance registry:

Sequence	Organizaion Name	Principal/ Alternate
1	BROADCOM	Ali Ghiasi
2	BROCADE	David Peterson
3	BROCADE	Steven L. Wilson
4	CISCO	J Metz
5	CISCO SYSTEMS	Landon Noll
6	CISCO SYSTEMS, INC.	Claudio DeSanti
7	DELL	Gaurav Chawla
8	EMC	David Black
9	EMC	Erik Smith
10	EMC	Gary S. Robinson
11	EMULEX	Bob Nixon
12	EMULEX	William R. Martin
13	ENDL TEXAS	Ralph Weber
14	FUJITSU AMERICA, INC.	Sandy Wilson
15	HEWLETT-PACKARD COMPANY	Nadaraha (Nava) Navaruparajah
16	HITACHI DATA SYSTEMS	Eric Hibbard
17	IBM	Louis Ricci
18	IBM	Roger Hathorn
19	IBM	Scott Carlson
20	INTEL CORPORATION	Prafulla Deuskar
21	JDSU	Jason Rusch
22	JUNIPER	Joseph White

23	LSI CORP.	Adam Healey
24	LSI CORP.	John Lohmeyer
25	MELLANOX TECHNOLOGIES	Diego Crupnicoff
26	MICROSOFT CORPORATION	James Borden
27	NETAPP	Frederick Knight
28	ORACLE	Matt Gaffney
29	ORACLE	Roger Dickerson
30	PANDUIT CORPORATION	Robert Elliot
31	QLOGIC CORP.	Craig W. Carlson
32	SOLUTION TECHNOLOGY	Robert Kembel
33	SYMANTEC	Roger Cummings
34	TRUE FOCUS, INC	Horst Truedstedt