

**Minutes Fibre Channel Protocol (T11.3)
Task Group plenary meeting #68
2009 June 04 – 11:00 to 12:00 PST
Coeur d'Alene, Idaho, US**

1 Opening remarks and introductions

The chair convened plenary meeting #68 of the Fibre Channel Protocol (T11.3) Task Group on 2009 June 04 at 11:03 PST. He introduced himself as Craig Carlson (QLogic), and thanked FICA and Chris Lyon 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, T11/09-275v0, 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.

Horst Truestedt (TrueFocus) moved and Bill Martin (Emulex) seconded that T11/09-275v0 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>). 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 (Ibarra@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 five 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.

Cienna:

Martin Hunt was present so Cienna retained their voting membership

Fujitsu:

Mike Fitzpatrick was present so Fujitsu retained their voting membership

Panduit:

Robert Elliot was present so Panduit retained their voting membership
PMC-Sierra:

Brian L'Ecuyer was present so PMC-Sierra retained their voting membership
Seagate:

No representative was present so Seagate lost their voting membership
VMWare:

Lawrence Lamers was present so VMWare retained their voting membership

6.3 Changes in Membership

6.3.1 Changes in representation since last meeting

There were no changes in member representation since the last meeting.

6.3.2 New voting memberships

No organizations have met the prerequisites for membership and became voting members effective at this meeting:

6.3.3 Voting memberships changed for other reasons

None

6.3.4 Changes in advisory membership

Dot Hill:

Became a new advisory member with Elizabeth Rodriguez as Principal.

6.3.5 Membership for this meeting and call for quorum

Task Group T11.3 had 26 voting members at the T11.3 plenary meeting 2009 April 2. With

0 new voting member organizations (see 5.3.2);

1 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 declined by one with 25 members this meeting.

6.4 Quorum Call

23 members responded to the call for quorum. One third of the total membership for this meeting is 9. The number 23 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 #67

The prior plenary meeting of the Fibre Channel Protocol (T11.3) Task Group was #67 on 2009 April 02. The draft minutes of that meeting were posted as document [T11/09-104v0](#).

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.

Horst Truedstedt (TrueFocus) moved and Bill Martin (Emulex) seconded to accept [T11/09-104v0](#) as modified/posted at this meeting as the minutes of T11.3 meeting #67 on 2009 April 02. The motion passed unanimously.

8 Review of Old Action Items

ACTION 09-002	T11.3 Secretary to revise and post minutes of T11.3 meeting #67. See Section 7. Completed.
ACTION 09-003	T11.3 Chair to request T11 to obtain a Private Enterprise Number from IANA for use in standards developed by T11. See Section 10.1. Completed.
ACTION 09-004	T11.3 Chair to request T11 to conduct a letter ballot to forward FC-IFR rev 1.03 (08-173v0) to INCITS for 1st public review. See Section 10.5. Completed.
ACTION 09-005	T11.3 Chair to request T11 to conduct a letter ballot on forwarding Revision 2.00 of FC-SB-4 (T11/09-017v1), Project 2122-D, to INCITS for further processing including public review. See Section 10.7. Completed.

9 Liaison Reports

9.1 *TC T11 and INCITS*

Steve Wilson (Brocade) presented extracts relevant to T11.3 from the INCITS Activities Report posted as [T11/09-346v0](#).

Steve Wilson (Brocade) presented extracts relevant to T11.3 from the T11 Report posted as [T11/09-252v0](#).

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 [T11/09-343v0](#).

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-5

Claudio DeSanti (Cisco) presented the information posted as [T11/09-337v0](#) about FC-BB-5 ad hoc activity since the last plenary meeting of this Task Group.

Claudio DeSanti (Cisco) moved and Fred Knight (NetApp) seconded to request T11 to accept document [T11/09-010vA](#) as the resolution of the letter ballot comments on FC-BB-5 and to forward FC-BB-5 revision 2.00 (document [T11/09-056v5](#)), Project 1871-D, to INCITS for further processing, including public review. The motion passed 22 Favoring, 0 Opposing, 1 Abstaining.

See ACTION 09-007.

10.2 FC-DA-2

Bill Martin (Emulex) presented the information posted as [T11/09-340v0](#) about FC-DA-2 ad hoc activity since the last plenary meeting of this Task Group.

10.3 FC-FS-3

Bill Martin (Emulex) presented the information posted as [T11/09-338v0](#) about FC-FS-3 ad hoc activity since the last plenary meeting of this Task Group.

10.4 FC-GS-6

Bob Nixon (Emulex) presented the information posted as [T11/09-355v0](#) about FC-GS-6 ad hoc activity since the last plenary meeting of this Task Group.

10.5 FC-IFR

Claudio DeSanti (Cisco) presented the information posted as [T11/09-351v0](#) about FC-IFR ad hoc activity since the last plenary meeting of this Task Group was displayed.

10.6 FC-LS-2

Bill Martin (Emulex) presented the information posted as [T11/09-339v0](#) about FC-LS-2 ad hoc activity since the last plenary meeting of this Task Group.

Bill Martin (Emulex) moved and Eric Hibbard (Hitachi DS) seconded to request T11 to conduct a letter ballot on forwarding Revision 2.11 of FC-LS-2 (document [T11/09-260v1](#)), Project 2103-D, to INCITS for further processing including first public review. The motion passed 22 Favoring, 0 Opposing, 0 Abstaining.

See ACTION 09-009.

10.7 FC-SB-4

Roger Hathorn (IBM) presented the information posted as [T11/09-347v0](#) about FC-SB-4 ad hoc activity since the last plenary meeting of this Task Group.

10.8 FC-SCM

Claudio DeSanti (Cisco) presented the information posted as [T11/09-336v0](#) about FC-SCM ad hoc activity since the last plenary meeting of this Task Group.

10.9 FC-SP-2

Craig Carlson (QLogic) presented the information posted as [T11/09-363v0](#) about FC-SP-2 ad hoc activity since the last plenary meeting of this Task Group.

Craig Carlson (QLogic) thanked David Black (EMC) for his outstanding work as FC-SP-2 chair and announced that David Black (EMC) has submitted his resignation as chair. Craig Carlson (QLogic) announced that he is seeking volunteers for the position of FC-SP-2 chair.

10.10 FC-SW-5

Craig Carlson (QLogic) presented the information posted as [T11/09-361v0](#) about FC-SW-5 ad hoc activity since the last plenary meeting of this Task Group.

Craig Carlson (QLogic) moved and Bill Martin (Emulex) seconded to request T11 to accept [T11/09-052v3](#) as the resolution of the letter ballot comments on FC-SW-5 and to forward the latest draft of FC-SW-5 Rev 8.5 (document [T11/09-290v1](#)), Project 1822-D, to INCITS for initial public review. The motion passed 23 Favoring, 0 Opposing, 0 Abstaining.

See ACTION 09-010.

10.11 Joint T11.2/T11.3

Craig Carlson (QLogic) presented the information posted as [T11/09-352v0](#) about the joint T11.2/T11.3 meeting.

10.12 RDMA Study

Craig Carlson (QLogic) presented the information posted as [T11/09-364v0](#) about the joint RDMA meeting.

11 Other Business and Technical Items

Claudio DeSanti (Cisco) moved and Fred Knight (NetApp) seconded to request T11 to forward the project proposal for FC-BB-6 (document [T11/09-272v1](#)) to INCITS for further processing. The motion passed 21 Favoring, 0 Opposing, 1 Abstaining.

See ACTION 09-008.

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.

See ACTION 09-012.

13 Future Meeting Schedule

13.1 *Plan for August 2009 T11 week*

FCIA will host the next T11 meeting on 2009 August 3-7 in Salt Lake City, UT.

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*

No ad hoc meetings or teleconferences were requested.

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 09-006	T11.3 Secretary to revise and post minutes of T11.3 meeting #68. See Section 7.
ACTION 09-007	T11.3 Chair to request T11 to accept document <u>T11/09-010vA</u> as the resolution of the letter ballot comments on FC-BB-5 and to forward FC-BB-5 revision 2.00 (document <u>T11/09-056v5</u>), Project 1871-D, to INCITS for further processing, including public review. See Section 10.1.
ACTION 09-008	T11.3 Chair to request T11 to forward the project proposal for FC-BB-6 (document <u>T11/09-272v1</u>) to INCITS for further processing. See Section 10.1.
ACTION 09-009	T11.3 Chair to request T11 to request T11 to conduct a letter ballot on forwarding Revision 2.11 of FC-LS-2 (document <u>T11/09-260v1</u>), Project 2103-D, to INCITS for further processing including first public review. See Section 10.6.
ACTION 09-010	T11.3 Chair to request T11 to accept <u>T11/09-052v3</u> as the resolution of the letter ballot comments on FC-SW-5 and to forward the latest draft of FC-SW-5 Rev 8.5 as modified (document <u>T11/09-290v1</u>), Project 1822-D, to INCITS for initial public review. See Section 10.10.
ACTION 09-010	T11.3 Chair to update T11.3 project status. See Section 12.

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 Truestedt (TrueFocus) moved and John Lohmeyer (LSI) seconded to adjourn at 2009 June 04 11:40 PST. 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
CIENA	Martin Hunt Sashi Thiagarajan	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	Principal Alternate
EMC	Gary S. Robinson David Black Erik Smith	Principal Alternate Alternate
Emulex	Bob Nixon William R. Martin	Principal Alternate
ENDL	Ralph Weber Dal Allan	Principal Alternate
Finisar	Alex Pavlovsky Paul Gentieu Scott Baxter Tim Beyers Jason Rusch	Principal Alternate Alternate Alternate Alternate
Fujitsu	Mike Fitzpatrick	Principal
Hitachi Data Systems	Eric Hibbard Vincent Franceschini	Principal Alternate

Hewlett Packard	Jieming Zhu Sean Fitzpatrick Don Fraser Barry Maskas	Principal Alternate Alternate Alternate
IBM	Scott Carlson Roger Hathorn Louis Ricci	Principal Alternate Alternate
LSI	John Lohmeyer Adam Healey Curtis Ridgeway	Principal Alternate Alternate
Mellanox	Diego Crupnicoff Dror Goldenberg	Principal Alternate
Microsoft	Robert Griswold Albert Chen Calvin Chen	Principal Alternate Alternate
NetApp	Frederick Knight Denise Ridolfo	Principal Alternate
Panduit	Robert Elliot Steve Skiest Robert Reid Gaston Tudury	Principal Alternate Alternate Alternate
PMC-Sierra	Brian L'Ecuyer Gregg Goyins Peichen Chang	Principal Alternate Alternate
QLogic	Craig W. Carlson Ed McGlaughlin	Principal Alternate
Sun Microsystems	Roger Dickerson Matt Gaffney Michael Roy Ajoy Siddabathuni Doug Meyers	Principal Alternate Alternate Alternate Alternate
Symantec	Roger Cummings	Principal
True Focus	Horst Truedstedt Jeanne Truedstedt	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
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Agilent	Yenyi Fu Neal O'Gorman Joachim Vobis	Principal Alternate Alternate
Corrigent Systems	Moran Roth	Principal
Dot Hill	Elizabeth Rodriguez	Principal
Hitachi America	Hidehisa Shitomi Junji Kinoshita	Principal Alternate
Nortel Networks	Graham Copley	Principal
Seagate	Allen Kramer James Coomes Martin Czekalski	Principal Alternate Alternate
ServerEngines	Sanjeev Datla Bipul Parua David Ridgeway	Principal Alternate
Storspeed	Scott Johnson Joaquin Aviles	Principal Alternate

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	Organization	Name
1	BROADCOM	Pat Thaler
2	BROCADE	David Peterson
3	BROCADE	Steven L. Wilson
4	CIENA CORPORATION	Martin Hunt
5	CISCO SYSTEMS	Landon Noll
6	CISCO SYSTEMS, INC.	Claudio DeSanti
7	DELL	Gaurav Chawla
8	EMC	David Black
9	EMULEX	Bob Nixon
10	EMULEX	William R. Martin
11	ENDL TEXAS	Ralph Weber
12	FUJITSU COMPUTER PRODUCTS OF AMERICA	Mike Fitzpatrick

13	GENNUM CORPORATION	David Brown
14	HEWLETT PACKARD	Sean Fitzpatrick
15	HITACHI DATA SYSTEMS	Eric Hibbard
16	IBM	Roger Hathorn
17	LSI CORP.	John Lohmeyer
18	MELLANOX TECHNOLOGIES	Diego Crupnicoff
19	MICROSOFT CORPORATION	Robert Griswold
20	NETAPP	Frederick Knight
21	PANDUIT CORPORATION	Robert Elliot
22	PMC-SIERRA	Brian L'Ecuyer
23	QLOGIC CORP.	Craig W. Carlson
24	SOLUTION TECHNOLOGY	Robert Kembel
25	SUN MICROSYSTEMS	Michael Roy
26	SYMANTEC	Roger Cummings
27	TRUE FOCUS, INC	Horst Truededt
28	VMWARE	Lawrence Lamers