

Draft Minutes
INCITS Fibre Channel TG T11.2 Plenary Meeting #95
11 April 2013 – 9 AM to 10:30 AM (MDT)
Albuquerque, NM

1 Opening remarks and introductions

1.1 Introductory Remarks

TC T11.2 chair Tom Palkert (Luxtera) convened regular meeting #95 of the INCITS Fibre Channel (T11.2) Technical Committee on Thursday, 11 April 2013 at 9:00 AM Mountain daylight time. He introduced himself as chair and thanked our host Chris Lyon and FCIA for the meeting facilities.

The chair next introduced Dean Wallace (Qlogic) as vice chair and Richard Johnson (Finisar) as secretary.

1.2 Self-introductions

The chair requested those present to introduce themselves, with identification of the organizations they represent.

1.3 Meeting guidelines (Anti-Trust and IPR)

The chair stated that the meeting was operating under INCITS procedures, and called attention to the INCITS patent policy by showing the INCITS Patent Policy Slides. The advice on the slides was provided and there was no discussion and for reference the slides can be found at http://www.incits.org/pat_slides.pdf, also available to T11 members as T11/08-406v0.

The chair noted that the INCITS Antitrust Guidelines <http://www.incits.org/inatrust.htm> applied to this committee meeting and 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.

1.4 Electronic Attendance

The chair instructed those present how to register using the electronic attendance list for this meeting, found via the URL <http://www.t11.org/att>, and informed those present of the necessary password. He reminded those present that the electronic attendance list would become the only source of attendance for formal records of this meeting.

2 Approval of the Agenda

An electronic version of the agenda was posted as T11/13-169v1 and supporting documents were accessible via the TC web site. The chair presented the agenda with final updates, and made a call for any changes and new agenda items. No changes or new items were requested.

Jay Neer (Molex) moved and Lou Ricci (EMC) seconded to accept that T11/13-169v1 as presented at this meeting be approved as the agenda for this meeting. The agenda passed by acclamation.

3 Attendance and Membership

3.1 Gaining and Losing Voting Membership

Information on how membership is gained, maintained, and lost in any INCITS Technical Committee or Task Group may be found in subclause 4.2 of INCITS Organization and Procedures found at INCITS/RD-2 at www.incits.org. An overview of these requirements was presented by the chair and was distributed to all attendees in the electronically distributed meeting documents.

The 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 subclause 3.6 below. Attendance for this meeting is shown in clause 14 below.

3.2 Roll Call of Members in Jeopardy for Non-Attendance

No member company lost membership for non-attendance.

3.3 Jeopardy / Membership Loss for Not Voting in T11.2 Letter Ballots

No company lost membership for not voting on T11.2 letter ballots.

3.4 Members in Jeopardy for Non-Payment of Fees

No company lost membership for non-payment of fees.

3.5 Membership Changes and Announcement of New Members

- G. Mabud Choudhury is added as Principal member for Commscope.
- Simon Gordon is removed as Alternate for Juniper.
- Gary Robinson replaces Jason Pritchard as Principal member for EMC; Louis Ricci replaces Mickey Felton as Alternate.
- Vittal Balasubramanian is removed as Alternate for FCI.

3.6 T11.2 Voting Memberships for this meeting

The following is the list of organizations that are voting members of record for regular meeting #95 of the INCITS Fibre Channel (T11.2) Technical Committee, including the recognized representatives of each member organization.

Based on the above information, the total voting membership is 26 effective at the start of this meeting.

Organization	Representative	Membership Class (P, A, L, E, XO, FoC, Etc.)
Agilent	Joachim Vobis	P
	Steve Sekel	A
	Stephen Didde	A
Amphenol	Greg McSorley	P
	Alex Persaud	A
	Michael Wingard	A
Avago Technologies	Randy Clark	P
	David Cunningham	A
	Brian Misek	A

Broadcom	Ali Ghiasi	P
	Pat Thaler	A
Brocade	Steven Wilson	P
	Scott Kipp	A
	David Peterson	A
CommScope	G. Mabud Choudhury	P
	Richard Baca	A
	Paul Kolesar	A
	Joe Livingston	A
Corning Inc.	Doug Coleman	P
	Steven E. Swanson	A
Data Center Systems	Jack Edwards	P
EMC	Gary Robinson	P
	Louis Ricci	A
	David Black	A
Emulex	Hossein Hashemi	P
	Gautam Shiroor	A
FCI	Miguel Conde	P
	David Sideck	A
Finisar	Chris Yien	P
	Richard Johnson	A
Fujitsu	Sandy Wilson	P
	Jim DeCaires	A
	Eugene Owens	A
	Mark Malcolm	A
	Kun Katsumata	A
HP	Barry Maskas	P
	Krishna Puttagunta	A
	Nava Navaruparajah	A
	Rupin Mohan	A
IBM	John Ewen	P
	David Stauffer	A
	Roger Hathorn	A
	Scott Carlson	A
JDSU	Dave Lewis	P
Juniper	Joseph White	P
	Jaya Bandyopadhyay	A
LSI	Adam Healey	P
	John Lohmeyer	A
	Harvey Newman	A
Luxtera	Tom Palkert	P
Molex	Jay H. Neer	P
	Mark Bugg	A
Oclaro	Jon Anderson	P
Panduit	Jose Castro	P
	Steve Skiest	A
	Robert Elliot	A
	Robert Reid	A
QLogic	Dean Wallace	P
	Mark Owen	A
	Mike Dudek	A
	Craig Carlson	A
Semtech	David Brown	P

	Ed Frlan	A
	Francois Tremblay	A
TE Connectivity	Kim Whitman	P
	Michael Fogg	A
	Andrew Nowak	A
Vitesse	Marty Spadaro	P
	Gary Paules	A

4 Anti-Trust Policies

The chair noted that among the rules and policies under which T11.2 TG operates are the INCITS Antitrust Guidelines as specified in <http://www.incits.org/inatrust.htm>. Any member of the meeting is responsible for objecting if he believes discussion in the meeting violates these guidelines. 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.

If such discussion is not immediately terminated, it is the chairperson's responsibility to terminate the meeting.

5 Document Distribution

The chair reviewed T11.2 document distribution and covered the following points:

- Distribution of meeting documents is available from <ftp://ftp.t11.org/latest>.
- Document Subscription service: see <http://www.t11.org/t11/docreg.nsf/center>.
- T11 and T11.2 web pages and reflectors

6 Approval of the Minutes of February 2013 Plenary Meeting #94

The prior regular meeting of the INCITS Fibre Channel T11.2 Technical Group was #94 on 07 February 2013. The draft minutes of that meeting were posted as document T11/13-080v0.

T11.2 minutes were reviewed as posted on the T11 web site. Corrections may be requested either before the subsequent meeting by email to the T11.2 secretary (richard.johnson@finisar.com) or at the subsequent meeting in person.

Hossein Hashemi (Emulex) and seconded by Lou Ricci (EMC) to accept T11/13-080v0 as the Minutes of T11.2 meeting #94 on 07 April 2013. The motion passed by acclamation.

7 Review of Old Action Items

- Dean Wallace (Qlogic) to prepare a presentation for next joint T11.2/T11.3 meeting to discuss 4 lane variants and FC-FS-4 support that would be needed. Withdrawn.
- Dean Wallace (Qlogic) to put together a project proposal to define 128GFC physical variants. Completed.
- Dean Wallace (Qlogic) to send slide 3 of T11/13-076v0 to FCIA as response from T11.2 to 128GFC request. Completed.
- Richard Johnson (Finisar) and Dave Lewis (JDSU) to help Hossein Hashimi (Emulex) prepare Framemaker draft of Clause 5 of FC-PI-6. Completed.

8 Review of T11.2 Projects

8.1 Project Status Review

The chair reviewed the status of the FC-PI-6 and FC-MSQS-2 projects.

8.2 MSQS-2 Ad Hoc Working Group (T11/13-161v0)

The MSQS-2 ad hoc chair Dean Wallace (Qlogic) presented meeting report T11/13-161v0. Three presentations were given:

- Dave Lewis (JDSU) discussed T11/13-159v0 "Jitter tracking requirements for 32GFC optical Rx";
- Joachim Vobis (Agilent) presented T11/13-050v0 "CTLE used in sampling scopes"; and
- Richard Johnson (Finisar) reviewed T11/13-009v1 "MSQS-2 revision 0.6".

8.3 FC-PI-6 Ad Hoc Working Group (T11/13-166v1)

The FC-PI-6 ad hoc chair Dean Wallace (Qlogic) presented meeting report T11/13-166v1. Four presentations were given:

- Richard Johnson (Finisar) presented T11/13-119v0 "32GFC rate selection discussion";
- Richard also discussed T11/13-120v0 "CFP4 for four lane applications";
- Hossein Hashemi (Emulex) reviewed T11/13-056135v0 "FC-PI-6 revision 0.3"; and
- Dean Wallace (Qlogic) gave T11/13-157v0 "Draft 128GFC project proposal".

8.4 Joint T11.2 / T11.3 Ad Hoc Working Group (T11/13-171v0)

The joint T11.2/T11.3 ad hoc chair Dean Wallace (Qlogic) presented meeting report T11/13-171v0. Two presentations were given:

- Scott Kipp (Brocade) discussed T11/13-162v0 "32GFC and 128GFC speed negotiation"; and
- Bill Martin (self) gave T11/13-115v0 "FC-FS-4 modifications for incorporating 256B/257B transcoding".

9 Letter Ballots

No letter ballots were held during this meeting cycle.

Dean Wallace (Qlogic) moves, and Hossein Hashemi (Emulex) seconds, the following motion:

A T11.2 letter ballot is requested for FC-PI-6 document T11/13-135v1, which includes the accepted modifications to T11/13-135v0.

A vote by hand was taken, one vote for each member company in attendance.

Yes: 17 No: 0 Abstain: 0

10 Old Business

None for this meeting cycle.

11 Review of International Activity

None given for this meeting cycle.

12 New Business and New Technical Items

Dean Wallace (Qlogic) presented T11/13-157v1 project proposal for 128GFC 4 lane by 32GFC for review and discussion. Vigorous discussion was held on how to name this variant. The preponderance of the members present opted for FC-PI-6P. A vote to accept this project proposal will be held at the next T11.2 Plenary, after the two week rule has been satisfied.

13 Call for Patents

The chair noted that the current record of responses to prior calls for patents can be found on the T11 web site at <http://www.t11.org/t11/docreg/nsf/patentdoc?OpenView>. A template form for a patent declaration that is satisfactory to both INCITS and ISO can be found in http://www.incits.org/patdec_form.doc. The chair made the call for patents. No members disclosed patents for this meeting cycle.

14 List of Meeting Attendees

The electronic attendance record for this T11.2 plenary meeting showed 24 attendees representing 19 voting member companies:

Amphenol	Greg McSorley
Broadcom	Pat Thaler
Brocade	Steven Wilson
Commscope	G. Mabud Choudhury
	Richard Case
	Jack Jewell
Corning	Doug Coleman
Data Center Systems	Jack Edwards
EMC	Gary S. Robinson
	Louis Ricci
Emulex	Hossein Hashemi
	Gautam Shiroor
Finisar	Richard Johnson
Fujitsu	Sandy Wilson
HP	Barry Maskas
IBM	Patty Driever
	David Stauffer
JDSU	Dave Lewis
Juniper	Joseph White
LSI	John Lohmeyer
Luxtera	Tom Palkert
Molex	Jay Neer
Panduit	Jose Castro

QLogic	Dean Wallace
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The electronic attendance record also shows that 1 non-voting-member was in attendance:

NetApp	Fred Knight
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15 Liaison Reports

15.1 INCITS, SC25, and T11 Liaison report (T11/13-142v0 and T11/13-106v0)

T11 chair Steve Wilson (Brocade) gave T11/13-142v0 "INCITS report to T11" and T11/13-106v0 "T11 report to INCITS."

15.2 IEEE (T11/13-160v0)

Tom Palkert (Luxtera) gave Adam Healey's T11/12-160v0 "IEEE 802.3 activities report".

16 Future Meeting Schedule

The next plenary meeting will be held in Couer d'Alene, Idaho, on June 6.

Dean Wallace (Qlogic) moves, Greg McSorley (Amphenol) seconds the following motions:

Plenary week schedule

MSQS-2 Ad Hoc requests 1:30 PM to 5:00 PM Tuesday, June 4

The FC-PI-6 Ad Hoc requests 9:00 AM to 5:30 PM Wednesday, June 5.

The Joint T11.2 / T11.3 Hoc requests 5:30 to 7:30 PM Wednesday, June 5.

Authorization of Ad Hoc groups & study groups

No requests were made for this meeting cycle.

Authorization of Telephone Conference Calls

The MSQS-2 Ad Hoc requests two telephone conference calls.

The FC-PI-6 Ad Hoc requests two telephone conference calls.

One FC-PI-6 conference call is scheduled for April 22 at 9 AM PDT.

The joint T11.2 / T11.3 Ad Hoc requests two telephone conference calls.

All motions passed by acclamation.

17 Action Items

- Dean Wallace (Qlogic) to upload 128GFC 4 lane project proposal T11/13-157v2.
- Tom Palkert (Luxtera) to upload IEEE P802.3bj specification with the password.

18 Adjournment

Greg McSorley (Amphenol) moved to adjourn at 10:27 AM. The motion passed by unanimous consent.