T11-2018-00053-v001

Draft Minutes
INCITS Fibre Channel TG T11.2 Plenary Meeting #124
8 February 2018 – 9 AM to 10:30 AM (CST)
Fort Worth, TX

1 Opening remarks and introductions

1.1 Introductory Remarks

TC T11.2 chair Tom Palkert (Macom) convened regular meeting #124 of the INCITS Fibre Channel (T11.2) Technical Committee on Thursday, 8 February 2018 at 9:00 AM Central standard time. He introduced himself as chair and thanked our host Data Center Systems and Zack Nason for the meeting facilities.

The chair next introduced Dean Wallace (Qlogic/Cavium) 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. For reference the slide set is available to T11 members as T11/08-406v0.

The chair noted that the INCITS Antitrust Guidelines 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.

See http://www.incits.org/standards-information/legal-info.

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://standards.incits.org/login. He reminded those present that both the electronic attendance list and physical presence at the meeting will be required to qualify as attendance for formal records of this meeting.

2 Approval of the Agenda

An electronic version of the agenda was posted as T11-2018-00012-v000 and supporting documents were accessible via the TC web site. The chair made a call for any changes and new agenda items.

Greg McSorley (Amphenol) moved and Mark Malcolm (Fujitsu) seconded to accept that T11-2018-00012-v000 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 the INCITS Organization, Policies, 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.

The chair presented the current list of members and representatives, and invited corrections. The membership effective for this meeting, as adjusted for changes introduces 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 members were mentioned during the meeting.

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

- Cisco announced its desire to become a voting member starting with this plenary meeting.

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 #123 of the INCITS Fibre Channel (T11.2) Technical Committee, including the recognized representatives of each member organization, and including any membership changes as listed above.

Based on the above information, the total voting membership becomes 21 effective at the start of this meeting.

Organization	Representative	Membership Class (P, A, L, E, XO, FoC, Etc.)
Amphenol	Greg McSorley	P
	Brad Brubaker	A
	Mike Davis	A
	Daniel Dillow	A
	Chris Lyon	A
	Alex Persaud	A
	Michael Wingard	A
Broadcom Limited	Ben Chu	P
	David Baldwin	A
	Evan Beauprez	A
	Adam Healey	A
	Howard Johnson	A
	Scott Kipp	A
	Dave Peterson	A
	Gautam Shiroor	A
	James Smart	A
	Steve Wilson	A
Cisco	Mike Blair	P
	Ziad Chaine	A
	J Metz	A
CommScope	Yang (Sunny) Xu	P
	Gary Gibbs	A
	Gary Irwin	A
	Paul Kolesar	A
Corning Inc.	Doug Coleman	P
	Steven Swanson	A
DCS	Kevin Ehringer	P
	Zach Nason	A
	Todd Wheeler	A

Dell	Louis Ricci	P
	David Black	A
	Gaurav Chawla	A
	Alan Rajapa	A
	Erik Smith	A
	Joseph White	A
	Jeff Young	A
Finisar	Chris Yien	P
	Richard Johnson	A
Foxconn Interconnect Tech	John Petrilla	P
	Randy Clark	A
	Glenn Moore	A
	William Peters	A
Fujitsu	Mark Malcolm	P
	Kun Katsumata	A
	Gene Owens	A
GlobalFoundries	Adrian Butter	P
	John Ewen	A
HPE	Barry Maskas	P
	Rupin Mohan	A
	Krishna Babu Puttagunta	A
IBM	Roger Hathorn	P
	Patty Driever	A
Macom	Tom Palkert	P
Molex	Jay H. Neer	P
	Alex Haser	A
	Scott Sommers	A
NetApp	Fred Knight	P
OFS	Roman Shubochkin	P
	Mabud Choudhury	A
Panduit	Jose Castro	P
	Bulent Kose	A
	Robert Reid	A
	Steve Skiest	A
QLogic / Cavium	Dean Wallace	P
	Anshul Agarwal	A
	Girish Barur	A
	Craig Carlson	A
	Mike Dudek	A
	Ali Khwaja	A
	Stephen Lam	A
	Alan Spalding	A
	Darren Trapp	A
TE Connectivity	Nathan Tracy	P
	Melissa Knox	A
	Jeff Mason	A
	Andy Nowak	A
Viavi Solutions	Jason Rusch	P

The following is a list of advisory members:

Organization	Representative	Membership Class (P, A, L, E, XO, FoC, Etc.)
Anritsu	Ken Mochizuki	P
Futurewei	Xu Qi ming	P
	Eddy Zhou	A
Keysight	Joachim Vobis	P
	Stephen Didde	A
	Steve Sekel	A
Lumentum	Dave Lewis	P
MediaTek USA	Tamer Ali	P
Oclaro	Kohichi Tamura	P
Semtech	Bharat Tailor	P
	Ed Frlan	A
	Francois Tremblay	A
SmartDV Technologies	Deepak Kumar Tala	P
Teledyne LeCroy	David Rogers	P
	Henry Poelstra	A

The following is a list of emeritus members:

James Coomes
William Ham
Horst Truestedt
Schelto van Doorn

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/standards-information/legal-info. 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 which is available from http://standards.incits.org.

6 Approval of the Minutes of December 2017 Plenary Meeting #123

The prior regular meeting of the INCITS Fibre Channel T11.2 Technical Group was #123 on 7 December 2017. The draft minutes of that meeting were posted as document T11-2017-00399-v000.

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.

John Petrilla (Foxconn Interconnect Technology) moved and seconded by Ben Chu (Broadcom) to accept T11/2017-

00399-v000 as the Minutes of T11.2 meeting #123 on 7 December 2017. The motion passed by acclamation.

7 Review of Old Action Items

T11.2 Chair to request IEEE liaison with T11. Carried over.

8 Review of T11.2 Projects

8.1 Project Status Review

The chair reviewed project status of activities in the T11.2 TG.

8.2 FC-PI-7 Ad Hoc Working Group (T11-2017-00058-v000)

The FC-PI-7 ad hoc chair Dean Wallace (Qlogic / Cavium) presented meeting report T11-2017-00058-v000. Six presentations were given:

- John Petrilla (Foxconn Optical Interconnect) discussed "FC-PI-7 electrical specifications" T11-2018-00019-v000;
- Scott Kipp (Broadcom) presented "64GFC host electrical requirement" T11-2018-00029-v000;
- Steve Sekel (Keysight) reviewed "Problems achieving stressed eye input test calibration" T11-2018-00023-v000;
- Scott Kipp (Broadcom) proposed "FC-PI-8 MRD" T11-2018-00038-v000;
- Dean Wallace (Cavium/QLogic) discussed "FC-PI-8 project proposal" T11-2017-00359-v001; and
- Jose Castro (Panduit) reviewed "Link model for PAM4 channels" T11-2018-00055-v000.

In addition, Dean Wallace (Cavium/QLogic) led the group in FC-PI-7 comment resolution T11-2018-00005-v002.

8.3 Joint T11.2 / T11.3 Ad Hoc Working Group (T11-2018-00063-v000)

The joint T11.2 / T11.3 ad hoc chair Dean Wallace (QLogic / Cavium) reviewed meeting report T11-2018-00063-v000. No presentations were given. Comment resolution of FC-EE was reviewed.

9 Letter Ballots

None for this plenary cycle.

10 Old Business

There was no old business to be reviewed for this meeting cycle.

11 Review of International Activity

None were given for this meeting cycle.

12 New Business and New Technical Items

12.1 FC-PI-8 Project Proposal

Dean Wallace (Cavium/QLogic) moves and Greg McSorley (Amphenol) seconds the following motion:

T11.2 recommends to T11 that FC-PI-8 project proposal T11-2017-00359-v0041 be forwarded to INCITS for further processing.

A show-of-hands vote was taken, with 16 affirming, 0 opposing, and 0 abstaining.

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/v2t?openForm&ent=35. A template form for a patent declaration that is satisfactory to both INCITS and ISO can be found in http://www.incits.org/standards-information/legal-info. The chair made the call for patents.

No member responded.

14 List of Meeting Attendees

The electronic attendance record for this T11.2 plenary meeting showed 20 attendees representing 17 member companies and 17 voting companies:

Amphenol Interconnect	Chris Lyon
	Greg McSorley
Broadcom Limited	Ben Chu
	Steve L. Wilson
Cisco	Mike Blair
Commscope	Gary Irwin
	Sunny Xu
Corning	Doug Coleman
DCS	Zach Nason
Dell	Alan Rajapa
Finisar	Richard Johnson
Foxconn Interconnect Technologies	John Petrilla
Fujitsu	Mark Malcolm
GlobalFoundries	Adrian Butter
HPE	Barry Maskas
IBM	Roger Hathorn
Macom	Tom Palkert
NetApp	Fred Knight
Qlogic	Dean Wallace
Viavi	Jason Rusch

The electronic attendance for the FC-PI-7 ad hoc meeting showed 17 attendees representing 13 member companies:

Amphenol	Greg McSorley
Broadcom Limited	Ben Chu
	Scott Kipp
	James Smart
CommScope	Gary Irwin
	Sunny Xu
Corning	Doug Coleman
DCS	Zach Nason
Dell	Alan Rajapan
Finisar	Richard Johnson
Foxconn Interconnect	John Petrilla
GlobalFoundries	Adrian Butter
Keysight	Stephen Didde
	Steve Sekel
Macom	Tom Palkert
QLogic	Dean Wallace

Teledyne LeCroy	Henry Poelstra

15 Liaison Reports

15.1 INCITS and T11 Liaison reports

T11 chair Steve Wilson (Brocade) gave T11-2018-00016-v000 "INCITS report to T11" and T11-2018-00003-v000 "T11 report to INCITS."

15.2 SFF Transceiver liaison

Tom Palkert (Macom) presented "SFF TA TWG Transceiver" meeting liaison report T11-2018-00061-v000.

15.3 IEEE

Tom Palkert (Macom) presented "IEEE 802.3 Liaison Report" T11-2018-00060-v000.

15.4 ISO WG3/TIA

Doug Coleman gave a verbal report on TIA activities (no document number).

16 Future Meeting Schedule

The next plenary meeting will be held in Deerfield Beach, FL, on April 5.

Dean Wallace (Cavium/QLogic) moves and Zach Nason (DCS) seconds the following motions:

Plenary week schedule
FC-PI-7 Ad Hoc requests 9:00 AM to 4:00 PM Tuesday, April 3
and 9:00 AM to 12:00 PM Wednesday, April 4.
The joint T11.2 / T11.3 Ad Hoc requests 1:30 PM to 2:30 PM Wednesday, April 4.

Authorization of Ad Hoc groups & study groups No requests were made for this meeting cycle. Authorization of Telephone Conference Calls

The FC-PI-7 Ad Hoc requests three telephone conference calls. The first call is scheduled for February 28, from 10 AM to 12 PM PST. The second call is scheduled for March 21, from 10 AM to 12 PM PST.

All motions passed by acclamation.

17 Action Items

- ➢ T11.2 Chair to request IEEE liaison with T11.

18 Adjournment

Greg McSorley (Amphenol) moved to adjourn at 10:23 AM. The motion passed by unanimous consent.