

Approved Minutes
INCITS Fibre Channel TG T11.2 Plenary Meeting #119
30 March 2017 – 9 AM to 10:30 AM (EDT)
Deerfield Beach, FL

1 Opening remarks and introductions

1.1 Introductory Remarks

TC T11.2 chair Tom Palkert (Macom) convened regular meeting #119 of the INCITS Fibre Channel (T11.2) Technical Committee on Thursday, 30 March 2017 at 9:00 AM Eastern daylight time. He introduced himself as chair and thanked our host Molex for the meeting facilities.

The chair next introduced Dean Wallace (Qlogix/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>, 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 T11-2017-00133-v000 and supporting documents were accessible via the TC web site. The chair made a call for any changes and new agenda items. No further changes or new items were requested.

Chris Lyon (Amphenol) moved and John Petrilla (Foxconn Interconnect) seconded to accept that T11-2017-00133-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 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

- Lumentum was in jeopardy for lack of attendance, but Dave Lewis was in attendance. Hence Lumentum retains voting membership.
- Keysight lost voting membership for this meeting cycle because of lack of attendance.

Note that Cisco, which had lost voting membership in previous meetings, had J. Metz in attendance at this meeting and intends to regain voting membership at the next 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

- Macom achieved voting membership effective this 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 #118 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 22 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	Evan Beauprez	P
	David Baldwin	A
	Ben Chu	A
	Adam Healey	A
	Gautam Shiroor	A
	James Smart	A
Brocade	Steven Wilson	P
	John Crandall	A
	Howard Johnson	A
	Scott Kipp	A
	David Peterson	
CommScope	Yang (Sunny) Xu	P
	Gary Gibbs	A
	Gary Irwin	A
	Paul Kolesar	A
	Earl Parsons	

Corning Inc.	Doug Coleman	P
	Steven Swanson	A
DCS	Kevin Ehringer	P
	Zach Nason	A
	Todd Wheeler	
Dell	Louis Ricci	P
	David Black	A
	Gaurav Chawla	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
Fujitsu	Mark Malcolm	P
	Kun Katsumata	A
	Gene Owens	A
GlobalFoundries	Adrian Butter	P
	John Ewen	A
HPE	Barry Maskas	P
	Siamack Ayandeh	A
	Rupin Mohan	A
	Krishna Puttagunta	A
IBM	Roger Hathorn	P
	Patty Driever	A
Lumentum	Dave Lewis	P
Macom	Tom Palkert	P
Molex	Jay H. Neer	P
	Mark Bugg	A
	Alex Haser	A
	Michael Rost	A
	Scott Sommers	A
OFS Optics	Roman Shubochkin	P
	Mabud Choudhury	A
Panduit	Jose Castro	P
	Robert Elliot	A
	Robert Reid	A
	Steve Skiest	A
QLogic / Cavium	Dean Wallace	P
	Craig Carlson	A
	Mike Dudek	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
Cisco	J. Metz	P
Keysight	Joachim Vobis	P
	Stephen Didde	A
	Steve Sekel	A
Netapp	Fred Knight	P
Oclaro	Kohichi Tamura	P
Optoway	Judy Chen	P
Semtech	Bharat Tailor	P
	Ed Frlan	A
	Francois Tremblay	A
SmartDV Technologies	Deepak Kumar Tala	P

The following is a list of emeritus members:

James Coomes
William Ham
Horst Truedstedt
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 February 2017 Plenary Meeting #118

The prior regular meeting of the INCITS Fibre Channel T11.2 Technical Group was #118 on 9 February 2017. The draft minutes of that meeting were posted as document T11/2017-00047-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.

Chris Lyon (Amphenol) moved and seconded by John Petrilla (Foxconn Interconnect) to accept T11/2017-00047-v000 as the Minutes of T11.2 meeting #118 on 9 February 2017. The motion passed by acclamation.

7 Review of Old Action Items

- The T11.2 chair to upload OIF documents. Completed, T11-2017-00134-01.

8 Review of T11.2 Projects

8.1 Project Status Review

The chair reviewed project status of FC-PI-7 and FC-MSQS-3.

8.2 FC-PI-7 / FC-MSQS-3 Ad Hoc Working Group (T11-2017-00116-v000)

The FC-PI-7 ad hoc chair Dean Wallace (Qlogic / Cavium) presented meeting report T11-2017-00116-v000. Five presentations were given:

- Raul Oteyza (Cavium) presented “64GFC symbol distribution and bit muxing issue” T11-2017-00094-v001,
- Jose Castro (Pandui) reviewed “MMF table in FC-PI-7 document” (no INCITS document number),
- Jonathan King (Finisar) discussed “TDECQ update” T11-2017-00102-v000,
- Anil Mehta (Brocade) proposed “64GFC Link Speed Negotiation timing diagram” T11-2017-00099-v000, and
- Mike Dudek (Cavium) presented “Chip to module simulations” T11-2017-00097-v000.

8.3 Joint T11.2 / T11.3 Ad Hoc Working Group (T11-2017-00119-v000)

The joint T11.2 / T11.3 ad hoc chair Dean Wallace (Cavium) reviewed meeting report T11-2017-00119-v000. Two presentations were given:

- Anil Mehta (Brocade) presented “64GFC Link Speed Negotiation timing diagram” T11-2017-00099-v000, and
- Howard Johnson (Brocade) reviewed “How bad is it?” T11-2017-00090-v000.

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

There was no new business proposed for this meeting cycle.

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 23 attendees representing 21 member

companies:

Amphenol Interconnect	Chris Lyon
Broadcom Limited	Ben Chu
Brocade	Steve L. Wilson
Cisco	J. Metz
Commscope	Gary Gibbs
	Yang (Sunny) Xu
Corning	Doug Coleman
DCS	Zach Nason
Dell	Louis Ricci
Finisar	Richard Johnson
Foxconn Interconnect Technologies	John Petrilla
Fujitsu	Mark Malcom
Globalfoundries	Adrian Butter
IBM	Roger Hathorn
Lumentum	Dave Lewis
Macom	Tom Palkert
Molex	Jay Neer
Netapp	Fred Knight
OFS	Mabud Choudhury
Qlogic / Cavium	Craig Carlson
	Dean Wallace
TE Connectivity	Jeff Mason
Viavi	Jason Rusch

The electronic attendance for the FC-PI-7 ad hoc meeting showed 17 attendees representing 14 member companies:

Amphenol	Chris Lyon
Broadcom Limited	Ben Chu
Brocade	Anil Mehta
	Steve Wilson
CommScope	Gary Gibbs
	Yang (Sunny) Xu
Corning	Doug Coleman
DCS	Zach Nason
Finisar	Richard Johnson
Foxconn Interconnect	John Petrilla
Global Foundries	Adrian Butter
Lumentum	Dave Lewis
Macom	Tom Palkert
OFS	Mabud Choudhury
QLogic	Mike Dudek
	Raul Oteyza
TE Connectivity	Jeff Mason

15 Liaison Reports**15.1 INCITS and T11 Liaison reports**

T11 chair Steve Wilson (Brocade) gave T11-2017-00091-v000 "INCITS report to T11" and T11-2017-00082-v000 "T11 report to INCITS."

15.2 SFF Transceiver liaison

Dave Lewis (Lumentum) presented his T11-2017-00137-v000 "SFF TA TWG Transceiver" meeting liaison report.

15.3 IEEE

Tom Palkert (Macom) present his T11-2017-00118-v000 "IEEE 802.3 Liaison Report".

15.4 OIF

Tom Palkert (Macom) gave T11-2107-00134-v000 OIF liaison letter to T11.2.

16 Future Meeting Schedule

The next plenary meeting will be held in Anchorage, AK, on June 8.

Chris Lyon (Amphenol) moves and Yang (Sunny) Xu (Comscope) seconds the following motions:

Plenary week schedule

FC-PI-7 Ad Hoc requests 9:00 AM to 4:00 PM Tuesday, June 6.

FC-PI-7 Ad Hoc requests 9:00 AM to 12:00 PM Wednesday, June 7.

The joint T11.2 / T11.3 Ad Hoc requests 1:30 PM to 3:30 PM Wednesday, June 7.

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 two telephone conference calls.

The joint T11.2 / T11.3 Ad Hoc requests one telephone conference call.

All motions passed by acclamation.

17 Action Items

- None for this meeting cycle.

18 Adjournment

Chris Lyon (Amphenol) moved to adjourn at 10:18 AM. The motion passed by unanimous consent.