

**Approved Minutes**  
**INCITS Fibre Channel TG T11.2 Plenary Meeting #100**  
**6 February 2014 – 9 AM to 10:30 AM (CST)**  
**New Orleans, LA**

## **1 Opening remarks and introductions**

### **1.1 Introductory Remarks**

TC T11.2 chair Tom Palkert (Luxtera) convened regular meeting #100 of the INCITS Fibre Channel (T11.2) Technical Committee on Thursday, 6 February 2014 at 9:04 AM Central standard 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 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://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 T11/14-067v0 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.

Lou Ricci (EMC) moved and Dave Lewis (JDSU) seconded to accept that T11/14-067v0 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](http://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

- Ali Ghiasi is removed as member for Broadcom
- Adrian Butter is added as Alternate for IBM
- Erik Smith is added as Alternate for EMC
- Ram Rao replaces Jon Anderson as Principal for Oclaro

#### 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 #100 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	Pat Thaler	P

Brocade	Steven Wilson	P
	Scott Kipp	A
	David Peterson	A
CommScope	G. Mabud Choudhury	P
	Richard Baca	A
	Rich Case	A
	Jack Jewell	A
	Paul Kolesar	A
	Joe Livingston	A
Corning Inc.	Doug Coleman	P
	Steven E. Swanson	A
Data Center Systems	Jack Edwards	P
	Kevin Ehringer	A
EMC	Gary Robinson	P
	Louis Ricci	A
	David Black	A
	Erik Smith	A
Emulex	Gautam Shiroor	P
FCI	Michael Karg	P
	David Sideck	A
	Mike Davis	A
	CK Wong	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
	Roger Hathorn	A
	Patty Driever	A
	Adrian Butter	A
JDSU	Dave Lewis	P
Juniper	(none)	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	Ram Rao	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	Nathan Tracy	P
	Melissa Knox	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/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 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 December 2013 Plenary Meeting #99

The prior regular meeting of the INCITS Fibre Channel T11.2 Technical Group was #99 on 5 December 2013. The draft minutes of that meeting were posted as document T11/13-492v0.

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](mailto:richard.johnson@finisar.com)) or at the subsequent meeting in person.

Greg McSorley (Amphenol) and seconded by Dean Wallace (Qlogic) to accept T11/13-492v0, amended to correct the count of guests, as the Minutes of T11.2 meeting #99 on 5 December 2013. The motion passed by acclamation.

#### 7 Review of Old Action Items

- Chair to request FC-MSQS-2 letter ballot at the T11 Plenary. Completed.
- Chair to recommend to OIF that T11.2 requests 56.1Gig for CEI 56 Gig projects. Carried over.

## **8 Review of T11.2 Projects**

### **8.1 Project Status Review**

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

### **8.2 MSQS-2 & FC-PI-6 combined Ad Hoc Working Group (T11/14-060v1)**

The MSQS-2 and FC-PI-6 ad hoc chair Dean Wallace (Qlogic) presented combined meeting report T11/14-060v1. Two presentations were given.

- Richard Johnson (Finisar) discussed T11/14-021v0 “32GFC and 128GFC, looking backward and looking forward”, and
- Richard Johnson gave Jonathan King’s (Finisar) review T11/14-034v0 “100GBASE-SR4 update”.

Dean Wallace (Qlogic) led the ad hoc through T11 letter ballot comment resolution on FC-MSQS-2 document T11/13-009v5, resulting in resolved comment resolution T11/14-005v3. Thirty eight technical comments were received. All technical comments were resolved save for comments to align test board specifications with IEEE 802.3. Discrepancies were noted in the test board specifications, causing delay in completing this document until the next meeting in April.

Dean Wallace (Qlogic) also led the ad hoc through one final FC-PI-6 T11 comment resolution on document T11/14-006v1. The result becomes T11/14-006v2 which will be forwarded to INCITS for further processing and public review.

### **8.3 Joint T11.2 / T11.3 Ad Hoc Working Group (T11/14-062v0)**

The joint T11.2/T11.3 ad hoc chair Dean Wallace (Qlogic) presented meeting report T11/14-062v0. One presentation was given:

- Howard Johnson and Anil Mehta (Brocade) presented T11/14-011v3 “FC-PI-6p parallel port use cases”.

## **9 Letter Ballots**

There were no letter ballots for this meeting cycle.

## **10 Old Business**

None for this meeting cycle.

## **11 Review of International Activity**

None were given for this meeting cycle.

## **12 New Business and New Technical Items**

No new business was introduced during 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/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/standards-information/legal-info>. 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 19 attendees representing 18 voting member companies:

Amphenol	Greg McSorley
Avago	Randy Clark
Broadcom	Pat Thaler
Brocade	Steve Wilson
Corning	Doug Coleman
EMC	Gary Robinson
	Lou Ricci
Emulex	Gautam Shiroor
Finisar	Richard Johnson
HP	Nadaraha Navaruparajah
IBM	Adrian Butter
JDSU	Dave Lewis
LSI	John Lohmeyer
Luxtera	Tom Palkert
Oracle	Roger Dickerson
Panduit	Jose Castro
Qlogic	Dean Wallace
Systimax/CommScope	Richard Baca
TE Connectivity	Melissa Knox

The electronic attendance record also shows that 1 guest was in attendance:

Futurewei Technologies	Alan Yoder
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### 15 Liaison Reports

#### 15.1 INCITS and T11 Liaison reports

T11 chair Steve Wilson (Brocade) gave T11/14-027v0 "INCITS report to T11" and T11/13-503v0 "T11 report to INCITS."

#### 15.2 SFF Transceiver liaison

Dave Lewis (JDSU) presented T11/14-068v0 liaison report for SFF SSWG Transceiver.

#### 15.3 T10

John Lohmeyer (LSI) gave a verbal report (no T11 document) of recent T10 activities.

## **15.4 IEEE**

Greg McSorley (Amphenol) gave a verbal report (no T11 document) of recent IEEE activities in 802.3bj. Tom Palkert (Luxtera) led a discussion on activities in the 400 Gig study group.

## **15.5 OIF**

No presentation was given because the next meeting is next week. Discussions will include how to support 400 Gig electrical links.

## **16 Future Meeting Schedule**

The next plenary meeting will be held in Scottsdale, Arizona, on April 3.

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

Plenary week schedule

MSQS-2 and FC-PI-6p joint Ad Hoc requests 1:30 PM to 4:00 PM Tuesday, April 1.  
MSQS-2 and FC-PI-6p joint Ad Hoc requests 9:00 AM to 12:30 PM Wednesday, April 2.  
The Joint T11.2 / T11.3 Ad Hoc requests 2:00 to 4:00 PM Wednesday, April 2.

Authorization of Ad Hoc groups & study groups

No requests were made for this meeting cycle.

Authorization of Telephone Conference Calls

- The FC-MSQS-2 Ad Hoc requests one telephone conference call scheduled for February 27 at 9 AM PST for two hour duration to finalize HCB / MCB specifications.
- The FC-PC-6p and FC-MSQS-2 Ad Hoc requests two additional telephone conference calls.
- The joint T11.2 / T11.3 Ad Hoc requests two telephone conference calls.

All motions passed by acclamation.

## **17 Action Items**

- T11 Chair to submit a motion in the T11 Plenary meeting to forward FC-PI-6 to INCITS for public review and further processing.

## **18 Adjournment**

Greg McSorley (Amphenol) moved to adjourn at 10:19 AM. The motion passed by unanimous consent.