

**Draft Minutes**  
**INCITS Fibre Channel TG T11.2 Plenary Meeting #76**  
**4 February 2010 – 9 AM to 11 AM (CST)**  
**San Antonio, TX**

## **1 Opening remarks and introductions**

TC TG T11.2 vice-chair Dean Wallace (Qlogic) convened the meeting on Thursday, 4 February 2010 at 9:00 AM Central standard time. He introduced himself as vice-chair and thanked FCIA and Chris Lyon for the meeting facilities.

### **1.1 Meeting guidelines (Anti-Trust and IPR)**

The vice-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](http://www.incits.org/pat_slides.pdf), also available to T11 members as T11/08-406v0.

The vice-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.

### **1.2 Electronic Attendance**

The vice-chair instructed those present how to register using the electronic attendance list for this meeting, and informed those present of the necessary password.

### **1.3 Meeting Documents**

The vice-chair noted that meeting documents are obtainable from <ftp://ftp.t11.org/latest>.

### **1.4 Self-introductions**

Members introduced themselves and the companies which they represent.

### **1.5 Patent Policy**

Attendees were reminded that the template for submitting patent declaration information to INCITS and ISO can be downloaded from [http://www.incits.org/patdec\\_form.doc](http://www.incits.org/patdec_form.doc). Completed and signed declaration forms can be submitted via email to [patents@itic.org](mailto:patents@itic.org).

## **2 Approval of the Agenda**

An electronic version of the agenda T11/10-025v0 and supporting documents were accessible via the TC web site. The vice-chair presented the agenda, and made a call for any new agenda items. Hossein Hashemi (Emulex) moved to accept the agenda as presented; the agenda was approved by unanimous consent.

## **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 the INCITS/RD-2 at [www.incits.org](http://www.incits.org). An overview of these requirements was presented by the vice-chair and was distributed to all attendees in the electronically distributed meeting documents.

### **3.2 Roll Call of Members in Jeopardy for Non-Attendance**

No 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

- Cinch: Merrick Moeller becomes principal member; Jim Mcgrath is removed.
- Fujitsu: Sandy Wilson changes from alternate to principal; Jim DeCaires changes from principal to alternate. Eugene Owens, Mark Malcolm, and Kun Katsumata are added as alternates.
- Brocade: Steve Wilson changes from alternate to principal; Scott Kipp changes from principal to alternate.
- HP: Barry Maskas replaces Jieming Zhu as principal.

### 3.6 T11.2 Voting Memberships for this meeting

Based on the above information, the total voting membership stays at 24 effective at the start of this meeting. The complete list of all members (voting, advisory, liaisons, etc.) is

Organization	Representative	Membership Class (P, A, L, E, XO, FoC, Etc.)
Agilent	Joachim Vobis	P
	Neal O’Gorman	A
Amphenol	Greg McSorley	P
	Michael Wingard	A
Avago Technologies	Randy Clark	P
	David Cunningham	A
	Rita Horner	A
	Michael deBie	A
Broadcom	Ali Ghiasi	P
	Scott Powell	A
	Pat Thaler	A
Brocade	Steven Wilson	P
	Scott Kipp	A
Cinch	Merrick Moeller	P
Corning Inc.	Doug Coleman	P
	Steven E. Swanson	A
Dell	Gaurav Chawla	P
	Bhavesh Patel	A
EMC	Jason Pritchard	P
	Mickey Felton	A
	David Black	A
Emulex	Hossein Hashemi	P
	Bill Schuman	A
FCI	Doug Wagner	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
	Sean Fitzpatrick	A
IBM	John Ewen	P
	David Stauffer	A
	Roger Hathorn	A
JDSU	Dave Lewis	P
LSI	Adam Healey	P
	John Lohmeyer	A
	Pervez Aziz	A
Luxtera	Tom Palkert	P
Molex	Jay H. Neer	P
	Michael Rost	A
Panduit	Robert Elliot	P
	Steve Skiest	A
	Robert Reid	A
	Gaston Tudbury	A
QLogic	Dean Wallace	P
	Mark Owen	A
Systemax	Terry Cobb	P
	Paul Kolesar	A
Tyco	Michael Walmsley	P
	Doug Lawrence	A
	Michael Fogg	A
	Andrew Nowak	A
Vitesse	George Noh	P
	Badri Gomatam	A

#### 4 Anti-Trust Policies

The vice-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 vice-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 and T11.2 web pages and reflectors

## **6 Approval of the Minutes of October 2009 Plenary Meeting #75**

The T11/09-692v0 minutes of the December 10 T11.2 plenary were reviewed. It was moved by Steve Wilson (Brocade) and seconded by Dean Wallace (Qlogic) to accept the minutes. The motion passed by unanimous consent.

## **7 Review of Old Action Items**

- 09-002: Dean Wallace (Qlogic) to upload Molex Touchstone files for improved “ZFP” connector.
- 09-003: Dean Wallace (Qlogic) to copy existing Touchstone files to FCSM repository.
- 09-004: Chair to check with INCITS on status of FC-PI-3.
- 09-005: Tom Palkert and Dean Wallace to prepare project proposal for FC-PI-6 in the February 2010 meeting.
- 09-006: Tom Palkert and Dean Wallace to prepare a project proposal for energy efficient PHY.

All action items have been carried over.

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

### **8.1 Project Status Review**

The Vice-chair reviewed the status of the FC-MSQS, FC-PI-3, and FC-PI-5 projects.

### **8.2 FC-PI-5 Ad Hoc Working Group**

Dean Wallace (Qlogic) presented the FC-PI-5 Ad Hoc meeting report T11/10-076v0. Jim Tatum (Finisar) gave the only presentation, T11/10-061v0 “Proposal to change RIN.” Dean led the group in comment resolution T11/10-003v0. All 142 technical comments have been resolved, and comment resolution has been

Dean Wallace (Qlogic) moves, and Hossein Hashemi (Emulex) seconds, that “T11.2 recommends to T11 that document T11/09-392v1 as modified per accepted comments in comment resolution document T11/10-003v1 be released to a T11 letter ballot (FC-PI-5 draft 2.0).  
Yes: 13 No: 0 Abstain: 0

### **8.3 MSQS Ad Hoc Working Group**

Dean Wallace (Qlogic) presented the MSQS Working group report T11/10-069v1. Five presentations were given. Richard Johnson (Finisar) gave T11/09-707v0 “Final release TWDP code for 8GFC,” T11/10-016v1 “An interesting observation on TWDP(1,0),” and T11/10-020v0 “MATLAB script for VECpq.” David Cunningham (Avago) discussed T11/10-042v0 “VECPq spreadsheet.” Jay Neer (Molex) presented T11/10-068v0 “Enhanced SFP+ connector.” Comment resolution on the MSQS draft has been opened, with an end date of March 5. Dean Wallace led the group in MSQS comment resolution T11/10-012v0.

### **8.4 Joint T11.2 / T11.3 Ad Hoc Working Group**

Dean Wallace (Qlogic) reviewed T11/0910-077v0 for the joint T11.2 / T11.3 meeting. No presentations were given.

## **9 Letter Ballots**

FC-PI-5 has completed T11.2 letter ballot, and will be forwarded to T11 for letter ballot. T11.2 letter ballot has just been opened for MSQS.

## **10 Old Business**

No old business for this meeting cycle.

## 11 Review of International Activity

None given for this meeting cycle.

## 12 New Business and New Technical Items

We anticipate launching FC-PI-6 in the April 2010 meeting.

## 13 Call for Patents

The vice-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](http://www.incits.org/patdec_form.doc). The vice-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 22 attendees representing 20 companies:

AMPHENOL INTERCONNECT	<a href="#">Gregory McSorley</a>
AVAGO TECHNOLOGIES	<a href="#">Michael deBie</a>
BROCADE	<a href="#">Steven L. Wilson</a>
CORNING INC.	<a href="#">Doug Coleman</a>
DELL	<a href="#">Gaurav Chawla</a>
EMC	<a href="#">Erik Smith</a>
EMC	<a href="#">Gary S. Robinson</a>
EMULEX	<a href="#">Hossein Hashemi</a>
ESILICON CORPORATION	<a href="#">Frank Barber</a>
FCI	<a href="#">Doug Wagner</a>
FINISAR CORPORATION	<a href="#">Richard Johnson</a>
FUJITSU AMERICA, INC.	<a href="#">Sandy Wilson</a>
GENNUM CORPORATION	<a href="#">David Brown</a>
HEWLETT PACKARD	<a href="#">Sean Fitzpatrick</a>
JDSU	<a href="#">Dave Lewis</a>
LSI CORP.	<a href="#">Adam Healey</a>
LSI CORP.	<a href="#">John Lohmeyer</a>
MOLEX	<a href="#">Jay Neer</a>
PANDUIT CORPORATION	<a href="#">Robert Elliot</a>
QLOGIC	<a href="#">Dean Wallace</a>
SOLUTION TECHNOLOGY	<a href="#">Robert Kembel</a>
TRUE FOCUS, INC	<a href="#">Horst Truestedt</a>

## 15 Liaison Reports

### 15.1 INCITS, SC25, and T11 Liaison report

Steve Wilson (Brocade) reviewed the T11/10-079v0 on "INCITS Standards Activities." He also displayed T11/09-640v0 on "INCITS T11 liaison report."

## 15.2 SFF SSWG on Transceivers

Dave Lewis (JDSU) discussed (no uploaded document) the SFF SSWG on Transceivers meeting which was held Tuesday evening.

## 15.3 T10

John Lohmeyer (LSI) gave a verbal report (no uploaded document) concerning SAS.

## 15.4 IEEE

Adam Healey reviewed IEEE 802.3 activities (no uploaded document).

## 15.5 OIF

Tom Palkert is negotiating with OIF to liason over the CEI document for T11 review.

## 16 Future Meeting Schedule

The next plenary meeting will be held in Pasadena, CA, on April 1.

Greg McSorley (Amphenol) moves and Jay Neer (Molex) seconds the following motions:

Plenary week schedule

The FC-PI-5 Ad Hoc requests 9:00 to 4:30 PM Wednesday, March 31.

MSQS requests 9:00 AM to 4:30 PM Tuesday, March 30.

The joint T11.2 / T11.3 Ad Hoc requests 5:30 PM to 6:30 PM Wednesday, February 3.

Authorization of Ad Hoc groups & study groups

No requests were made for this meeting cycle.

Authorization of Telephone Conference Calls

The FC-PI-5 Ad Hoc requests 3 telephone conference calls.

The MSQS Ad Hoc requests 3 telephone conference calls.

The Joint T11.2/T11.3 Ad Hoc requests 1 telephone conference call

All motions passed by acclamation.

## 17 Action Items

- 09-002: Dean Wallace (Qlogic) to upload Molex Touchstone files for improved "ZFP" connector.
- 09-003: Dean Wallace (Qlogic) to copy existing Touchstone files to FCSM repository.
- 09-004: Chair to check with INCITS on status of FC-PI-3.
- 09-005: Tom Palkert and Dean Wallace to prepare project proposal for FC-PI-6 in the February 2010 meeting.
- 09-006: Tom Palkert and Dean Wallace to prepare a project proposal for energy efficient PHY.
- 10-001: Dean to contact 2 companies with remaining NO votes on FC-PI-5 to turn their votes to YES.
- 10-002: Dean to contact Ali Ghiasi concerning FC-PI-3 status; INCITS is waiting for his inputs.

## 18 Adjournment

Sandy Wilson (Fujitsu) moved to adjourn at 9:54 AM. The motion passed by unanimous consent.