

**Draft Minutes**  
**INCITS Fibre Channel (T11) Technical Committee plenary meeting #100**  
**5 August 2010 - 1:30 PM to 4:30 PM CDT**  
**Chicago IL**

## **1 Opening remarks and Introductions**

### **1.1 Introductory Remarks**

TC T11 chair Steve Wilson (Brocade) convened plenary meeting #100 of the INCITS Fibre Channel (T11) Technical Committee on Thursday, 5 August 2010 at 1:38 PM CDT. He introduced himself, and thanked our hosts, FCIA and Chris Lyon, for the meeting facilities and amenities.

He next introduced Claudio DeSanti (Cisco) as vice chair and Bob Nixon as secretary.

### **1.2 Self-introductions**

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

### **1.3 Procedure**

#### **1.3.1 Patent information**

The chair indicated that among the rules and policies under which this Technical Committee operates are the ANSI intellectual property policies as specified in pages 1-3 of [http://www.incits.org/pat\\_slides.pdf](http://www.incits.org/pat_slides.pdf). He displayed these pages without comment or explanation, and directed that questions about the policy should be referred to the questioner's legal counsel or the ANSI General Counsel.

#### **1.3.2 Anti-trust guidelines**

The chair indicated that among the rules and policies under which this Technical Committee operates are the INCITS Antitrust Guidelines as specified in <http://www.incits.org/inatrust.htm>. Any person present at the meeting is responsible for objecting if he believes discussion in the meeting violates those 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.

### **1.3.3 Public access rules**

The chair indicated that among the rules and policies under which this Technical Committee operates are the INCITS rules for operating in Public Access Mode, as specified in subclause 2.2 of INCITS Policies and Guidelines ([http://www.incits.org/rd1/INCITS\\_RD1.pdf](http://www.incits.org/rd1/INCITS_RD1.pdf)).

The chair encouraged those nonmembers who attend T11 meetings regularly or intend to attend T11 meetings regularly to join the organization. He further advised that nonmembers, by remaining in this meeting, acknowledge that they understand and agree to the policies of this meeting.

## **1.4 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 presented as T11/10-323v2. The chair made a call for any changes and new agenda items. No changes or new items were requested.

Landon Noll (Cisco) moved and Lou Ricci (IBM) seconded that T11/10-323v2 as presented at this meeting be approved as the agenda for this meeting. The motion 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 INCITS Organization and Procedures ([http://www.incits.org/rd2/INCITS\\_RD2.pdf](http://www.incits.org/rd2/INCITS_RD2.pdf)) subclause 4.2. An overview of these requirements was introduced by the vice chair and was available to all attendees among the electronically distributed meeting documents.

The vice 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 annex A.1. Attendance for this meeting is shown in annex A.2.

### **3.2 Changes in representation since last meeting**

No changes in member representation have been made since the last meeting:

### **3.3 New memberships**

#### **3.3.1 New voting memberships**

No organizations have met the prerequisites for voting membership and requested voting membership at this meeting:

#### **3.3.2 New advisory (nonvoting) memberships**

No organization has requested advisory membership at this meeting:

### **3.4 Voting memberships in jeopardy for attendance**

All representatives of member organizations Blade, Corning, Opnext, Symantec, and Vmware were informed by email and by document T11/10-322v0 that their organizations were in jeopardy of losing their voting memberships as the result of not attending the required number of committee meetings.

- Representative Chetan Yaliwal of Blade was present at this meeting. As a result, Blade retains voting membership in this committee.
- Representative Doug Coleman of Corning was present at this meeting. As a result, Corning retains voting membership in this committee.
- Representative Jon Anderson of Opnext was present at this meeting. As a result, Opnext retains voting membership in this committee.
- Representative Roger Cummings of Symantec was present at this meeting. As a result, Symantec retains voting membership in this committee.
- Representative Lawrence Lamers of Vmware was present at this meeting. As a result, Vmware retains voting membership in this committee.

### **3.5 Voting memberships in jeopardy for non-payment of dues**

No organization was in jeopardy of losing its voting membership as the result of not having paid required fees in a timely manner.

### **3.6 Voting memberships in jeopardy for letter ballot performance**

No member organization is currently in jeopardy of losing its voting membership as the result of not responding to the required number of letter ballots.

### **3.7 Membership for this meeting**

No changes having been made since the prior meeting, the voting membership of T11 remains 37 for this meeting. The voting membership of T11 for this meeting is recorded in annex A.1.2. The advisory (i.e., nonvoting) membership of T11 for this meeting is recorded in annex A.1.3.

### **3.8 Call for members of the press and journalists**

The vice chair requested members of the press and journalists to introduce themselves.

Ralph Weber, principal representative of a T11 member organization, introduced himself as a journalist.

### **3.9 Call for Quorum**

The total membership for this meeting is 37. One third of the total membership for this meeting is 12. The number of member organizations that responded to the call for quorum was 30. This exceeds or equals one third of the total membership for this meeting and also exceeds or equals 4. A quorum is therefore present for this meeting.

### **3.10 Call for Guests**

The vice chair requested those associated with organizations that are not members of T11 to introduce themselves.

Representatives of nonmember organizations are tabulated in A.2.2. The chair reiterated that by remaining in this meeting, they submit themselves and their organizations to INCITS policy for intellectual property, antitrust, and guest access to the work of this committee.

#### **4 Document Distribution**

The vice chair described the process for T11 document distribution via the T11 Web Site. He reminded those present how to access meeting documents via T11 Web Site at <ftp://ftp.t11.org/latest>.

#### **5 Approval of Minutes - Meeting #99**

The prior plenary meeting of the INCITS Fibre Channel (T11) Technical Committee was #99 on 10 June 2010. The draft Minutes of that meeting were posted as document T11/10-251v0.

T11 minutes are reviewed as posted on the T11 web site. Corrections may be requested either before the subsequent meeting by email to the T11 secretary ([bob.nixon@emulex.com](mailto:bob.nixon@emulex.com)) or at the subsequent meeting in person.

No corrections were requested via email.

No corrections were requested at this meeting.

Bill Martin (Emulex) moved and Richard Johnson (Finisar) seconded to accept T11/10-251v0 as posted as the Minutes of T11 meeting #99 on 10 June 2010. The motion passed by acclamation.

See action item 10-025.

## 6 Review of Old Action Items

- 08-044 International Representative to prepare a T11 style guide that resolves issues including description of the list enumeration style and multiplication symbol.  
**In process.**  
**Status 1 April 2010: IR has prepared a style guide which he will shortly present to ISO for their concurrence.**
- 09-009 Secretary to determine where T11 standing rules are, or should be, documented.  
**In Process.**
- 09-010 Secretary to update standing rules, when the standing rules location is determined, to require every T11 Plenary meeting location be approved by a two-thirds vote (INCITS RD2/4.4.2.2) and that the proposer may request the result of the vote to be reconsidered by asking the T11 Chair to issue a letter ballot.  
**In Process, see T11/09-635 for a proposal.**
- 09-011 T11 vice chair to modify the instructions to prospective hosts to reflect that every T11 Plenary meeting location shall be approved by a two-thirds vote (INCITS RD2/4.4.2.2) and that the proposer may request the result of the vote to be reconsidered by asking the T11 Chair to issue a letter ballot.  
**In Process pending completion of action 09-010.**
- 09-041 T11 International Representative to notify INCITS that T11 recommends the NWIP (see T11/09-477v0) for FC-AL-2 as a US contribution to JTC1/SC25 and to approve the NWIP to be issued by SC25, answering the first 6 questions specified in table 1 'Yes', naming David Peterson as project editor, and question 7 in table 1 as "Accelerated Timeframe".  
**In Process, T11/09-501v0 assigned but not posted yet.**
- 09-045 T11 International Representative to review the admin/iso/ subdirectory of the T11 ftp server and advise the webmaster if anything should move to the protected directory.  
**In Process.**
- 10-012 T11 Secretary to revise and post approved Minutes of T11 meeting #98 as agreed at T11 meeting #99.  
Completed. See T11/10-152v1.
- 10-013 T11 Chair to forward Revision 4.0 of FC-PI-3 (T11/10-222v0), Project 1625-D, to INCITS for further processing including second public review.  
Completed by email Wilson to Bennett, 30 June 2010. See T11/10-321v0.
- 10-014 T11 Chair to forward T11/10-175v1 to INCITS for further processing as the project proposal for FC-PI-6, requesting that the project be assigned to T11.  
Completed by email Wilson to Bennett, 29 June 2010. See T11/10-318v0.
- 10-015 T11 Chair to perform a second Letter Ballot for approval of forwarding Revision 3 of FC-PI-5 (T11/10-113v1), Project 2118-D, to INCITS for first public review.  
Completed by email Wilson to T11.2 and T11.3, 29 June 2010.
- 10-016 T11 Chair to perform a Letter Ballot for approval of forwarding Revision 2 of FC-MSQS (T11/10-011v1), Project 1734-DT, to INCITS for first public review.  
Completed by email Wilson to T11.2 and T11.3, 29 June 2010.
- 10-017 T11 Chair to forward T11/10-220v1 to INCITS for further processing as the project proposal for FC-SW-6, requesting that the project be assigned to T11.  
Completed by email Wilson to Bennett, 29 June 2010. See T11/10-319v0.

- 10-018 T11 Chair to forward Revision 1.06 of FC-IFR (T11/10-138v0), Project 1745-D, to INCITS for further processing including public review.  
Completed by email Wilson to Bennett, 30 June 2010. See T11/10-320v0.
- 10-019 T11 Chair to conduct a letter ballot on approving the changes specified in T11/10-221v1 as desired clarifications to Revision 1.00 of FC-FS-3, which is now at INCITS for further processing following public review  
Completed by email Wilson to T11.2 and T11.3, 29 June 2010.
- 10-020 T11 International Representative to advise INCITS that INCITS TC T11 recommends to confirm International Standards ISO/IEC 14165-241:2005 Information technology -- Fibre Channel -- Part 241: Backbone 2 (FC-BB-2) and ISO/IEC 14165-222:2005 Information technology -- Fibre Channel -- Part 222: Single-byte command code 2 mapping protocol (FC-SB-2).  
Completed by emails Peterson to Bennett, 27 July 2010. See T11/10-336v0 and T11/10-344v0.
- 10-021 T11 International Representative to advise INCITS that INCITS TC T11 recommends to withdraw International Standard ISO/IEC 14165-114:2005 Information technology -- Fibre Channel -- Part 114: 100 MB/s Balanced copper physical interface (FC-100-DF-EL-S).  
Completed by email Peterson to Bennett, 27 July 2010. See T11/10-337v0.
- 10-022 T11 International Representative to advise INCITS that INCITS TC T11 recommends to Approve ISO/IEC PDTR 14165-372, Information technology - Fibre Channel — Part 372: Methodologies of Interconnects - 2 (FC-MI-2).  
Completed by email Peterson to Bennett, 26 July 2010. See T11/10-338v0.
- 10-023 T11 chair to create appropriate liaison reports from T11 to other organizations.  
Completed. See T11/10-305v0.
- 10-024 T11 vice chair to update the meeting calendar to reflect the approved 2012 plenary dates, a plenary meeting week in St. Petersburg, FL December 5-9, 2011 and a plenary meeting week in New Orleans LA, 6-10 February 2012.  
Completed. See Meeting Information link from T11 home page at <http://www.t11.org/index.html>.

## **7 Review of T11 Project and Proposal Status**

### **7.1 Project status review**

The T11 Project status sheet was displayed (see annex C.1). The current version can be viewed at any time at [www.t11.org](http://www.t11.org), by selecting either member or guest access, then using the button "Projects".

### **7.2 Projects Approved**

INCITS has authorized FC-PI-6 as project 2221-D, and assigned it to T11.3.

INCITS has authorized FC-SW-6 as project 2220-D, and assigned it to T11.2.

The webmaster agreed to create projects on the T11 web site for FC-PI-6 and FC-SW-6. See action item 10-026.

## **8 Results of non-ISO Letter Ballots**

### **8.1 FC-PI-5 to INCITS for further processing**

The question of forwarding FC-PI-5 to INCITS for further processing (T11/10-315v0) closed on 29 July 2010. It passed 34 Favoring, one Opposing, two Abstaining, none Not Voting. Four of the favoring responses offered comments.

### **8.2 FC-MSQS to INCITS for further processing**

The question of forwarding FC-MSQS to INCITS for further processing (T11/10-316v0) closed on 29 July 2010. It passed 32 Favoring, one Opposing, four Abstaining, none Not Voting. Two of the favoring responses offered comments.

### **8.3 Clarifications to FC-FS-3**

The question of accepting the clarification to FC-FS-3 proposed in T11/10-221v1 (T11/10-317v0) closed on 29 July 2010. It passed 34 Favoring, none Opposing, three Abstaining, none Not Voting. No responses offered comments.

## **9 Old Business**

No old business was reconsidered.

## **10 Task Group T11.2 - Physical Interfaces**

### **10.1 Report to T11 Plenary (T11/10-397v0)**

Tom Palkert (Luxtera) presented the information posted as T11/10-397v0 on activity at T11.2.

### **10.2 Actions**

#### **10.2.1 Forward FC-PI-5 to INCITS for 1st public review and further processing (roll call)**

BROADCOM cast an opposing vote in the letter ballot on forwarding FC-PI-5 to INCITS for further processing including public review.

In an email to the T11 Chair on behalf of BROADCOM, in consideration of the changes made to FC-PI-5 since the opposing vote was cast, Ali Ghiasi changed the position of BROADCOM on forwarding FC-PI-5 to INCITS for further processing including public review to favoring.

Tom Palkert (Luxtera) moved and Bob Nixon (Emulex) seconded to forward Revision 3 of FC-PI-5 (T11/10-113v1) modified by incorporation of changes to resolve accepted letter ballot comments as specified in T11/10-325v2 to INCITS for further processing including public review when the final document is available. INCITS RD-2 requires approval of this question in accord with the 2/3 rule, as determined by roll call. The motion met the 2/3 rule, with 32 Favoring, none Opposing, none Abstaining, and five Not Voting. The roll call record may be found in annex B.1.

See action item 10-027.

### **10.2.2 Forward FC-MSQS to INCITS for 1st public review and further processing (roll call)**

BROADCOM. cast an opposing vote in the letter ballot on forwarding FC-MSQS to INCITS for further processing as a Technical Report.

In an email to the T11 Chair on behalf of BROADCOM, in consideration of the changes made to FC-MSQS since the opposing vote was cast, Ali Ghiasi changed the position of BROADCOM on forwarding FC-MSQS to INCITS for further processing as a technical report to favoring.

Tom Palkert (Luxtera) moved and Bob Nixon (Emulex) seconded to forward Revision 2 of FC-MSQS (T11/10-314v0) modified by incorporation of changes to resolve accepted letter ballot comments as specified in T11/10-324v2 to INCITS for further processing as a technical report when the final document is available. INCITS RD-2 requires approval of this question in accord with the 2/3 rule, as determined by roll call. The motion met the 2/3 rule, with 32 Favoring, none Opposing, none Abstaining, and five Not Voting. The roll call record may be found in annex B.2.

See action item 10-028.

### **10.3 Other items**

No other items were presented for TG T11.2.

## **11 Task Group T11.3 - Interconnection Schemes**

### **11.1 Report to T11 Plenary (T11/10-398v0)**

Craig Carlson (QLogic) presented the information posted as T11/10-398v0 on activity at T11.3.

### **11.2 Actions**

#### **11.2.1 Forward FC-LS-2 to INCITS for 1st public review and further processing (roll call)**

Emulex cast an opposing vote in the letter ballot on forwarding FC-LS-2 to INCITS for further processing including public review.

In an email to the T11 Chair on behalf of Emulex, in consideration of the changes made to FC-LS-2 since the opposing vote was cast, principal representative Bob Nixon changed the position of Emulex on forwarding FC-LS-2 to INCITS for further processing including public review to favoring. The email has been posted as T11/10-389v0.

Craig Carlson (QLogic) moved and Bill Martin (Emulex) seconded to accept T11/10-121v2 as the resolution of the letter ballot comments on FC-LS-2 and to forward Revision 2.21 of FC-LS-2 (T11/10-122v2), Project 2103-D, to INCITS for further processing including public review. INCITS RD-2 requires approval of this question in accord with the 2/3 rule, as determined by roll call. The motion met the 2/3 rule, with 31 Favoring, none Opposing, none Abstaining, and six Not Voting. The roll call record may be found in annex B.4.

See action item 10-030.

#### **11.2.2 Forward FC-FS-3 to INCITS for 2nd public review and further processing (roll call)**

No organization cast an opposing vote in the letter ballot on clarifying FC-FS-3 as described in T11/10-221v1.

Noting that this Technical Committee has already approved forwarding Revision 1.00 FC-FS-3 to INCITS for further processing including public review, and has now approved T11/10-221v1 as specific modifications to Revision 1.00 FC-FS-3:

Bob Nixon (Emulex) moved and Roger Hathorn (IBM) seconded to accept T11/10-221v1 as approved clarifications to Revision 1.00 FC-FS-3 and to forward Revision 1.10 of FC-FS-3 (T11/10-010v2), Project 1861-D, to INCITS for further processing including second public review. INCITS RD-2 requires approval of this question in accord with the 2/3 rule, as determined by roll call. The motion met the 2/3 rule, with 31 Favoring, none Opposing, none Abstaining, and six Not Voting. The roll call record may be found in annex B.3.

See action item 10-029.

### **11.2.3 Request Second letter ballot on forwarding FC-SCM (T11/10-367v0)**

Craig Carlson (QLogic) moved and Bill Martin (Emulex) seconded that T11 accept T11/10-017v6 as resolving all comments raised in the first T11 letter ballot on FC-SCM, INCITS Project 1824-DT. The motion was balloted by meeting vote, and passed by acclamation.

The T11 Chair accepted the action to conduct a second letter ballot on forwarding revision 1.1 of FC-SCM (T11/10-367v0), INCITS Project 1824-DT, reflecting T11/09-023v7 and the comment resolutions in T11/10-017v6, to INCITS for further processing including public review. See action item 10-031.

### **11.3 Other items**

No other items were presented for TG T11.3.

### **12 Joint T11.2/T11.3 Call for Issues**

No joint T11.2/T11.3 issues were reported.

### **13 T11 project activities**

#### **13.1 Work Group SM-HBA-2**

Dave Peterson (Brocade) presented status on the progress of the SM-HBA-2 work group on storage management application program interfaces, as posted in T11/10-382v0.

### **14 Review of International Activity**

#### **14.1 ISO Status Report (T11/10-340v0)**

David Peterson (Brocade) presented the information posted as T11/10-340v0 on project status at ISO (see annex C.2).

#### **14.2 ISO Motions (US roll call votes)**

##### **14.2.1 Motion 1: Withdraw FC-AL-2**

Dave Peterson (Brocade) moved and Bill Martin (Emulex) seconded that INCITS TC T11 recommends the JTC 1 TAG Withdraw ISO/IEC 14165-241:2005 Information technology - Fibre Channel - Part 122: Arbitrated Loop - 2 (FC-AL-2). INCITS RD-2 requires approval of this question in accord with the 2/3 rule, as determined by roll call

limited to U.S. domiciled members. The motion met the 2/3 rule, with 31 Favoring, none Opposing, none Abstaining, and six Not Voting. The roll call record may be found in annex B.5.

See action item 10-032.

#### **14.2.2 Motion 2: Approve NWIP for OVF**

Dave Peterson (Brocade) moved and Bill Martin (Emulex) seconded that INCITS TC T11 recommends the JTC 1 TAG vote to Approve the NWIP (see T11/10-335v0) for Open Virtualization Format (OVF). INCITS RD-2 requires approval of this question in accord with the 2/3 rule, as determined by roll call limited to U.S. domiciled members. The motion met the 2/3 rule, with 31 Favoring, none Opposing, none Abstaining, and six Not Voting. The roll call record may be found in annex B.6

See action item 10-033.

### **14.3 Other ISO Action items**

#### **14.3.1 Motion 3: Approval of delegation**

Steve Wilson (Brocade) moved and Lou Ricci (IBM) seconded that INCITS TC T11 nominates the following people as delegates for the October 2010 JTC 1/SC 25 meeting: David Peterson (HOD), Landon Noll, Jay Neer, Scott Kipp, Terry Cobb, and Tom Palkert. This question requires approval by a simple majority of the membership, as determined by meeting vote limited to U.S. domiciled members. The motion passed 31 Favoring, none Opposing, none Abstaining, and six Not Voting.

See action item 10-034.

## **15 T11 New Business and New Technical Items**

### **15.1 New T11 Emeritus Members (Majority)**

Steve Wilson (Brocade) moved and Bill Martin (Emulex) seconded that, in recognition of each of their many years of service, diligent efforts, and outstanding contributions to this Technical Committee, T11 nominate the following people to become T11 Emeritus members:

Joe Mathis  
Jim Coomes  
Horst Truedstedt

The motion passed 31 Favoring, none Opposing, none Abstaining, and six Not Voting.

See action item 10-035. See action item 10-036.

## **16 Call for Patents**

### **16.1 Patent information registry**

The chair indicated that the current record of responses to prior calls for patents can be found in the T11 web site at <http://www.t11.org/t11/docreg.nsf/patentdoc?OpenView>.

## **16.2 Call for patents**

### **16.2.1 Patent Information Overview**

The chair reminded the meeting that among the rules and policies under which T11 operates are the INCITS intellectual property policies. An overview of patent information relevant to T11 may be found in T11/10-008v0.

The chair made a call for patents. There were no responses to the call.

### **16.2.2 INCITS/ISO patent disclosure form**

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).

## **17 Liaison Reports**

### **17.1 T11 report (T11/10-305v0), INCITS Liaison (T11/10-347v0)**

Steve Wilson (Brocade) presented the information posted as T11/10-305v0 on activity at T11 as reported to other organizations, and the information posted as T11/10-347v0 including activity at INCITS other than T11 project status.

The chair accepted the action to create appropriate liaison reports from T11 to other organizations. See action item 10-037.

### **17.2 TC T10 (T11/10-331v0)**

In absence of T10 liaison John Lohmeyer (LSI Logic), Ralph Weber (ENDL Texas) presented the information posted as T11/10-331v0 on activity at INCITS Technical Committee T10.

### **17.3 FCIA (T11/10-378v0)**

Skip Jones (QLogic) presented the information posted as T11/10-378v0 on activity at FCIA.

### **17.4 IEEE 802.1 (T11/10-395v0)**

Claudio DeSanti (Cisco) presented the information posted as T11/10-395v0 on activity at IEEE 802.1.

### **17.5 IEEE 802.3 (T11/10-349v0)**

Terry Cobb (Systemax) presented the information posted as T11/10-349v0 on activity at IEEE 802.3.

### **17.6 IETF (T11/10-385v0)**

All information posted as T11/10-385v0 on activity at IETF was presented at the plenary meetings of Task Groups today, and was not repeated here.

### **17.7 INCITS TC CS1**

No report was presented on activity at INCITS TC CS1.

### 17.8 IEEE 1619 (T11/10-374v1)

Landon Noll (Cisco) presented the information posted as T11/10-374v1 on activity at IEEE SISWG.

### 17.9 SNIA and DMTF (T11/10-377v0)

Denise Ridolfo (NetApp) presented the information posted as T11/10-377v0 on activity at SNIA and DMTF.

### 17.10 ISO/IEC JTC1 SC25 WG3

No report was presented on activity at ISO/IEC JTC1 SC25 WG3.

### 17.11 TIA

No report was presented on activity at TIA.

### 17.12 IBTA

No report was presented on activity at IBTA.

## 18 Administrative Matters

### 18.1 Officer Appointments

The officers of this Technical Committee and its Task Groups are:

T11 Chair	Steve Wilson (Brocade)
T11 International Representative	David Peterson (Brocade)
T11 Secretary	Bob Nixon (Emulex)
T11 Vice chair	Claudio DeSanti (Cisco)
T11.2 Chair	Tom Palkert (Luxtera)
T11.2 Secretary	Richard Johnson (Finisar)
T11.2 Vice-chair	Dean Wallace (QLogic)
T11.3 Chair	Craig Carlson (QLogic)
T11.3 Secretary	Landon Noll (Cisco)
T11.3 Vice-chair	Bill Martin (Emulex)

### 18.2 T11 Information Technology

#### 18.2.1 Web site status (T11/10-379v0)

The T11 Webmaster, Roger Cummings (Symantec), presented the information posted as T11/10-379v0 on the status of the T11 web site.

He notes that the unexplained persistent email reflector issue of the last several months has resolved. Unfortunately, the resolution is also unexplained.

### **18.2.2 Wireless status**

No report was presented on Wireless status.

## **18.3 Other matters**

### **18.3.1 Editors**

The chair reminded Task Group chairs and editors that he will not execute a letter ballot or a forwarding action for a draft unless the editor has archived source in the special secret editor's directory.

### **18.3.2 Facilitators**

The chair reminded work group chairs to use the correct report forms to assure that chairs and secretaries receive timely copies of their reports.

## **19 Future Meeting Schedule**

### **19.1 Authorization of adhoc meetings**

The chair directed members to the T11 web site at <http://www.t11.org/t11/meet.nsf/intmeet> for the latest announcements of pending work group interim meetings and teleconferences. He advised that authorization of ad hoc work group meetings is delegated to the appropriate TG, if any.

- The Management API ad hoc work group acts directly under authorization of TC T11. It requested 2 hours at the T11 plenary week hosted by Microsoft and Brocade in Seattle WA, 18-22 October 2010.

This meeting was approved by acclamation. The vice chair will account for these requests in the schedule for the T11 plenary week hosted by Microsoft and Brocade in Seattle WA, 18-22 October 2010.

### **19.2 Guidelines for hosting T11 meetings**

The chair advised that important information for those considering hosting a T11 meeting week may be found on the T11 web site at <http://www.t11.org/t11/meet.nsf/host>. This information includes guidelines for hosting a T11 meeting week and room night histories of past meeting weeks. This is required reading for those who are considering hosting because it summarizes the needs of the committee for meeting facilities and gives considerations that may reduce costs for the host.

### 19.3 Request for hosts - 2010-2012

The chair announced the following schedule for future meetings, and solicited volunteers for those dates that are not yet hosted

Date	Location	Host Org	Host Person
Aug 2-6, 2010	Chicago, IL	FCIA	Chris Lyon
Oct 18-22, 2010	Seattle, WA	Microsoft/Brocade	David Peterson
Dec 6-10, 2010	Jacksonville, FL	FCIA	Chris Lyon
Feb 7-11, 2011	Charleston, SC	FCIA	Chris Lyon
Apr 4-8, 2011	Philadelphia, PA	FCIA	Chris Lyon
Jun 6-10, 2011	Coeur d'Alene, ID	FCIA	Chris Lyon
Aug 1-5, 2011	Edmonton, Alberta Canada	FCIA	Chris Lyon
Oct 3-7, 2011	Albuquerque, NM	FCIA	Chris Lyon
Dec 5-9, 2011	St Petersburg, FL	FCIA	Chris Lyon
Feb 6-10, 2012	New Orleans, LA		Chris Lyon
Apr 16-20, 2012	(tbd)		
Jun 4-8, 2012	(tbd)		Louis Ricci
Aug 13-17, 2012	(tbd)		
Oct 1-5, 2012	(tbd)		
Dec 3-7, 2012	(tbd)		

### 19.4 Approval of meeting venues

There were no new meeting venues to approve.

Chris Lyon of the FCIA announced that other organizations have begun to volunteer to sponsor meetings in 2012, so the FCIA will not automatically sponsor meetings in 2012 and following.

Lou Ricci (IBM) requested to tentatively reserve sponsorship of the June 2012 meeting week. They are hoping to sponsor in Lake Placid NY for that week.

### 19.5 Next meeting, hosted by Microsoft and Brocade in Seattle WA, 18-22 October 2010

The chair reminded the membership that the next T11 plenary week is hosted by Microsoft and Brocade in Seattle WA, 18-22 October 2010. He noted that detailed information about the hotel and the locale can be found on the T11 web pages at [http://www.t11.org/t11/meet.nsf/sch/\\$first](http://www.t11.org/t11/meet.nsf/sch/$first).

Dave Peterson warned that people planning to attend should make hotel reservations early because of the large group expected for the collocated ISO/IEC meetings.

## 19.6 Letter to travel representatives on hotel rates (T11/10-009v0)

The chair reminded the membership that

- T11 plenary meetings are hosted by volunteer organizations;
- A plenary host receives no reimbursement from T11 or INCITS for any expenses of hosting;
- A plenary host may depend on agreements with the meeting hotel in order to reduce the expenses of the host and also possibly, though not necessarily, reduce the room rates for the members; and
- A hotel may charge punitive extra fees to a host if the meeting does not achieve an agreed number of room nights identified with group members.

Therefore, T11 expects those attending meetings during a plenary week to stay at the meeting hotel and identify themselves as members of the T11 group, even though less expensive lodging may be found in the area, or even at the same hotel. Document T11/10-009v0 has been posted, which contains a letter to those with budget responsibilities for member organizations justifying this obligation.

## 19.7 Plenary week meeting map for October 2010 T11 meetings

The vice chair presented the tentative meeting map of the next T11 meeting week. He advised members to refer to the T11 web site, [http://www.t11.org/t11/docreg.nsf/umap/\\$first](http://www.t11.org/t11/docreg.nsf/umap/$first), for the most recent meeting map of the next T11 plenary meeting.

## 20 Final Attendance Notice/Check

The chair reviewed the electronically registered attendance list, advised that the list was about to close, and reminded those who had not registered that the list would then become the only source of attendance for formal records of this meeting.

Final registered attendance for T11 plenary meeting #100 is shown in annex A.2. 43 people from 34 member organizations and one nonmember organization were in attendance.

## 21 Review of Action Items

- 08-044 International Representative to prepare a T11 style guide that resolves issues including description of the list enumeration style and multiplication symbol.  
**In process.**  
**Status 5 August 2010: IR has prepared a preliminary style guide which he presented to T11 members, soliciting feedback and input.**
- 09-009 Secretary to determine where T11 standing rules are, or should be, documented.  
**In Process.**
- 09-010 Secretary to update standing rules, when the standing rules location is determined, to require every T11 Plenary meeting location be approved by a two-thirds vote (INCITS RD2/4.4.2.2) and that the proposer may request the result of the vote to be reconsidered by asking the T11 Chair to issue a letter ballot.  
**In Process, see T11/09-635 for a proposal.**
- 09-011 T11 vice chair to modify the instructions to prospective hosts to reflect that every T11 Plenary meeting location shall be approved by a two-thirds vote (INCITS RD2/4.4.2.2) and that the proposer may request the result of the vote to be reconsidered by asking the T11 Chair to issue a letter ballot.  
**In Process pending completion of action 09-010.**
- 09-041 T11 International Representative to notify INCITS that T11 recommends the NWIP (see T11/09-477v0) for FC-AL-2 as a US contribution to JTC1/SC25 and to approve the NWIP to be issued by SC25, answering the first 6 questions specified in table 1 'Yes', naming David Peterson as project editor, and question 7 in table 1 as "Accelerated Timeframe".  
**In Process, T11/09-501v0 assigned but not posted yet.**
- 09-045 T11 International Representative to review the admin/iso/ subdirectory of the T11 ftp server and advise the webmaster if anything should move to the protected directory.  
**In Process.**
- 10-025 T11 Secretary to post approved Minutes of T11 meeting #99 as agreed at T11 meeting #100. **See clause 5.**
- 10-026 T11 webmaster to create projects on the T11 web site for FC-PI-6 and FC-SW-6.  
**See 7.2.**
- 10-027 T11 Chair to forward Revision 3 of FC-PI-5 (T11/10-113v1) modified by incorporation of changes to resolve accepted letter ballot comments as specified in T11/10-325v2 to INCITS for further processing including public review when the final document is available. **See 10.2.1.**
- 10-028 T11 Chair to forward Revision 2 of FC-MSQS (T11/10-314v0) modified by incorporation of changes to resolve accepted letter ballot comments as specified in T11/10-324v2 to INCITS for further processing as a technical report when the final document is available. **See 10.2.2.**
- 10-029 T11 Chair to forward Revision 1.10 of FC-FS-3 (T11/10-010v2), Project 1861-D, to INCITS for further processing including second public review. **See 11.2.2.**
- 10-030 T11 Chair to forward Revision 2.21 of FC-LS-2 (T11/10-122v2), Project 2103-D, to INCITS for further processing including public review. **See 11.2.1.**

- 10-031 T11 Chair to conduct a second letter ballot on forwarding revision 1.1 of FC-SCM (T11/10-367v0), INCITS Project 1824-DT, reflecting T11/09-023v7 and the comment resolutions in T11/10-017v6, to INCITS for further processing including public review. [See 11.2.3.](#)
- 10-032 T11 International Representative to send appropriate notifications that INCITS TC T11 recommends the JTC 1 TAG Withdraw ISO/IEC 14165-241:2005 Information technology - Fibre Channel - Part 122: Arbitrated Loop - 2 (FC-AL-2). [See 14.2.1.](#)
- 10-033 T11 International Representative to send appropriate notifications that INCITS TC T11 recommends the JTC 1 TAG vote to Approve the NWIP (see T11/10-335v0) for Open Virtualization Format (OVF). [See 14.2.2.](#)
- 10-034 T11 International Representative to send appropriate notifications that INCITS TC T11 nominates the following people as delegates for the October 2010 JTC 1/SC 25 meeting: David Peterson (HOD), Landon Noll, Jay Neer, Scott Kipp, Terry Cobb, and Tom Palkert. [See 14.3.1.](#)
- 10-035 T11 Chair to advise INCITS that, in recognition of each of their many years of service, diligent efforts, and outstanding contributions to this Technical Committee, T11 nominates Joe Mathis, Jim Coomes, and Horst Truedstedt to become T11 Emeritus members. [See 15.1.](#)
- 10-036 T11 Chair to consult Horst Truedstedt on the appropriate timing for his advancement to T11 Emeritus membership, and to advise the T11 webmaster of the answer. [See 15.1.](#)
- 10-037 T11 chair to create appropriate liaison reports from T11 to other organizations. [See 17.1.](#)

## 22 Adjournment

Roger Cummings (Symantec), who opened the first T11 meeting, moved to adjourn the 100th T11 meeting at 3:25 PM CDT. Lou Ricci (IBM) seconded the motion. The motion passed unanimously.

## Annex A Membership and Attendance

### A.1 Membership for this meeting

#### A.1.1 Emeritus Members

These people have been granted Emeritus membership in INCITS Fibre Channel (T11) Technical Committee, recognizing their many years of skilled leadership and high quality technical contribution:

**Dr. William Ham**

**Mr. Schelto vanDoorn**

**Mr. Gary Stephens**

#### A.1.2 Voting Members

The following is the list of organizations that are voting members of record for plenary meeting #100 of the INCITS Fibre Channel (T11) Technical Committee, including the recognized representatives of each member organization:

Organization	Representative Type	Representative
Agilent	Principal	Joachim Vobis
	Alternate	Stephen Didde
Amphenol	Principal	Gregory McSorley
	Alternate	Michael Wingard
Avago	Principal	Randy Clark
	Alternate	David Cunningham
	Alternate	Rita Horner
	Alternate	Michael deBie
Blade	Principal	Tienwei (Tim) Chao
	Alternate	Chetan Yaliwal
BROADCOM	Principal	Ali Ghiasi
	Alternate	Pat Thaler
	Alternate	Scott Powell
Brocade	Principal	Steven L. Wilson
	Alternate	David Peterson
	Alternate	Scott Kipp

Organization	Representative Type	Representative
Cisco	Principal	Claudio DeSanti
	Alternate	Landon Noll
	Alternate	Fabio Maino
	Alternate	Joe Pelissier
	Alternate	Silvano Gai
Corning	Principal	Doug Coleman
	Alternate	Steven E. Swanson
Dell	Principal	Gaurav Chawla
	Alternate	Bhavesh Patel
	Alternate	Glenn Virball
EMC	Principal	Gary S. Robinson
	Alternate	David Black
	Alternate	Erik Smith
Emulex	Principal	Bob Nixon
	Alternate	William R. Martin
	Alternate	Hossein Hashemi
ENDL Texas	Principal	Ralph Weber
	Alternate	Dal Allan
eSilicon	Principal	Frank Barber
	Alternate	Rakesh Chadha
Finisar	Principal	Chris Yien
	Alternate	Richard Johnson
Fujitsu	Principal	Sandy Wilson
	Alternate	Eugene Owens
	Alternate	Kun Katsumata
	Alternate	Jim DeCaires
	Alternate	Osamu Kimura
	Alternate	Mark Malcolm

Organization	Representative Type	Representative
Hitachi DS	Principal	Eric Hibbard
	Alternate	Vincent Franceschini
	Alternate	Gary Pilafas
HP	Principal	Barry Maskas
	Alternate	Sean Fitzpatrick
	Alternate	Krishna Babu Puttagunta
	Alternate	Nadaraha (Nava) Navaruparajah
	Alternate	Bill Kerr
IBM	Principal	Scott Carlson
	Alternate	Roger Hathorn
	Alternate	Louis Ricci
INTEL	Principal	Prafulla Deuskar
JDS Uniphase	Principal	Dave Lewis
	Alternate	Scott Baxter
	Alternate	Tim Beyers
	Alternate	Paul Gentieu
	Alternate	Jason Rusch
Juniper	Principal	Simon Gordon
	Alternate	Joseph White
	Alternate	Suresh Boddapat
LSI	Principal	Curtis Ridgeway
	Alternate	Adam Healey
	Alternate	John Lohmeyer
Luxtera	Principal	Tom Palkert
Mellanox	Principal	Diego Crupnicoff
	Alternate	Trevor Caulder
	Alternate	Dror Goldenberg
Microsoft	Principal	Albert Chen
	Alternate	Calvin Chen
	Alternate	James Borden

Organization	Representative Type	Representative
Molex	Principal	Jay Neer
NetApp	Principal	Frederick Knight
	Alternate	Denise Ridolfo
	Alternate	Alan Yoder
Opnext	Principal	Jon Anderson
	Alternate	Josef Berger
Oracle	Principal	Roger Dickerson
	Alternate	Matt Gaffney
	Alternate	Michael Roy
	Alternate	Vit Novak
Panduit	Principal	Robert Elliot
	Alternate	Steve Skiest
	Alternate	Robert Reid
	Alternate	Gaston Tudury
QLogic	Principal	Craig W. Carlson
	Alternate	Skip Jones
	Alternate	Alan Spalding
	Alternate	Dean Wallace
	Alternate	Ed McGlaughlin
Solution Technology	Principal	Robert Kembel
	Alternate	David Deming
Symantec	Principal	Roger Cummings
	Alternate	David Dillard
Systemax	Principal	Terry Cobb
	Alternate	Paul Kolesar
TrueFocus	Principal	Horst Truedtedt
	Alternate	Jeanne Truedtedt

Organization	Representative Type	Representative
Tyco Electronics	Principal	Michael Walmsley
	Alternate	Andrew Nowak
	Alternate	Doug Lawrence
	Alternate	Michael Fogg
VMware	Principal	Lawrence Lamers
	Alternate	Winston Bumpus
	Alternate	Scott Davis

### A.1.3 Advisory Members

The following is the list of organizations that are advisory (i.e., nonvoting) members of record for plenary meeting #100 of the INCITS Fibre Channel (T11) Technical Committee, including the recognized representatives of each member organization:

Organization	Representative Type	Representative
CIENA	Principal	Martin Hunt
	Alternate	Sashi Thiagarajan
Cinch	Principal	Hecham Elkhatib
Crossroads Systems	Principal	Bill Moody
Dot Hill	Principal	Elizabeth G. Rodriguez
	Alternate	Ian Davies
DSI A*STAR	Principal	Khin Mi Mi Aung
FCI	Principal	Doug Wagner
	Alternate	David Sideck
Force10	Principal	T Sridhar
	Alternate	John D'Ambrosia
Liberty Intl	Principal	Phil Zuniga
PMC-Sierra	Principal	Brian L'Ecuyer
Seagate	Principal	Allen Kramer
	Alternate	James Coomes
	Alternate	Martin Czekalski

Organization	Representative Type	Representative
Texas Instruments	Principal	Rajeev Jain
	Alternate	Stephen Hubbins
Unisys	Principal	Jeffrey Dremann
	Alternate	Diep Nguyen
	Alternate	Jose Macias
	Alternate	Phil Shelton
Xilinx	Principal	Mark Marlett

## A.2 Attendance at this meeting

### A.2.1 Member organizations

The following is the list of member organizations and their representatives recorded in the online attendance registry as attending plenary meeting #100 of the INCITS Fibre Channel (T11) Technical Committee:

Organization	Representative(s)
AGILENT TECHNOLOGIES	Joachim Vobis
AMPHENOL INTERCONNECT	Gregory McSorley
AVAGO TECHNOLOGIES	Michael deBie
BLADE NETWORK TECHNOLOGIES	Chetan Yaliwal
BROADCOM	Pat Thaler
BROCADE	David Peterson
	Steven L. Wilson
CISCO SYSTEMS	Landon Noll
	Claudio DeSanti
CORNING INC.	Doug Coleman
EMC	David Black
	Erik Smith
EMULEX	Bob Nixon
	William R. Martin
ENDL TEXAS	Ralph Weber
ESILICON CORPORATION	Frank Barber

Organization	Representative(s)
FINISAR CORPORATION	Richard Johnson
FORCE10 NETWORKS	T Sridhar
FUJITSU AMERICA, INC.	Sandy Wilson
HEWLETT-PACKARD COMPANY	Barry Maskas
IBM	Louis Ricci
	Roger Hathorn
INTEL CORPORATION	Prafulla Deuskar
JDSU	Dave Lewis
	Jason Rusch
JUNIPER	Joseph White
LSI CORP.	Adam Healey
LUXTERA	Tom Palkert
MELLANOX TECHNOLOGIES	Diego Crupnicoff
MOLEX	Jay Neer
NETAPP	Denise Ridolfo
	Frederick Knight
OPNEXT	Jon Anderson
ORACLE	Matt Gaffney
PANDUIT CORPORATION	Robert Elliot
QLOGIC CORP.	Craig W. Carlson
SOLUTION TECHNOLOGY	David Deming
	Robert Kembel
SYMANTEC	Roger Cummings
SYSTIMAX SOLUTIONS	Terry Cobb
TYCO ELECTRONICS	Michael Walmsley
VMWARE	Lawrence Lamers

## A.2.2 Nonmember organizations

The following is the list of nonmember organizations and their representatives recorded in the online attendance registry as attending plenary meeting #100 of the INCITS Fibre Channel (T11) Technical Committee:

Organization	Representative(s)
GENNUM CORPORATION	David Brown

## Annex B Roll Call Vote Tallies

### B.1 Forward FC-PI-5 to INCITS for 1st public review and further processing

The question to forward Revision 3 of FC-PI-5 (T11/10-113v1) modified by incorporation of changes to resolve accepted letter ballot comments as specified in T11/10-325v2 to INCITS for further processing including public review when the final document is available was a 2/3 majority roll call vote (see 10.2.1). The response to the roll call on the question was as follows, with “a” indicating abstention, “n” indicating opposing, “nv” indicating no vote, and “y” indicating favoring:

Organization	Representative Type	Voting Representative	Position Declared
Agilent	P	Joachim Vobis	y
Amphenol	P	Gregory McSorley	y
Avago	A	Michael deBie	y
Blade	A	Chetan Yaliwal	y
BROADCOM	A	Pat Thaler	y
Brocade	A	David Peterson	y
Cisco	A	Landon Noll	y
Corning	P	Doug Coleman	y
Dell	P	Gaurav Chawla	nv
EMC	A	David Black	y
Emulex	A	William R. Martin	y
ENDL Texas	P	Ralph Weber	y
eSilicon	P	Frank Barber	y
Finisar	A	Richard Johnson	y
Fujitsu	P	Sandy Wilson	y
Hitachi DS	P	Eric Hibbard	nv
HP	P	Barry Maskas	y
IBM	A	Roger Hathorn	y
INTEL	P	Prafulla Deuskar	y
JDS Uniphase	P	Dave Lewis	y
Juniper	A	Joseph White	y
LSI	A	Adam Healey	y
Luxtera	P	Tom Palkert	y

<b>Organization</b>	<b>Representative Type</b>	<b>Voting Representative</b>	<b>Position Declared</b>
Mellanox	P	Diego Crupnicoff	y
Microsoft	P	Albert Chen	nv
Molex	P	Jay Neer	y
NetApp	A	Denise Ridolfo	y
Opnext	P	Jon Anderson	y
Oracle	A	Matt Gaffney	y
Panduit	P	Robert Elliot	y
QLogic	P	Craig W. Carlson	y
Solution Technology	P	Robert Kembel	y
Symantec	P	Roger Cummings	y
Systimax	P	Terry Cobb	y
TrueFocus	P	Horst Truedtedt	nv
Tyco Electronics	P	Michael Walmsley	y
VMware	P	Lawrence Lamers	nv

## B.2 Forward FC-MSQS to INCITS for 1st public review and further processing

The question to forward Revision 2 of FC-MSQS (T11/10-314v0) modified by incorporation of changes to resolve accepted letter ballot comments as specified in T11/10-324v2 to INCITS for further processing as a technical report when the final document is available was a 2/3 majority roll call vote (see 10.2.2). The response to the roll call on the question was as follows, with “a” indicating abstention, “n” indicating opposing, “nv” indicating no vote, and “y” indicating favoring:

Organization	Representative Type	Voting Representative	Position Declared
Agilent	P	Joachim Vobis	y
Amphenol	P	Gregory McSorley	y
Avago	A	Michael deBie	y
Blade	A	Chetan Yaliwal	y
BROADCOM	A	Pat Thaler	y
Brocade	A	David Peterson	y
Cisco	A	Landon Noll	y
Corning	P	Doug Coleman	y
Dell	P	Gaurav Chawla	nv
EMC	A	David Black	y
Emulex	A	William R. Martin	y
ENDL Texas	P	Ralph Weber	y
eSilicon	P	Frank Barber	y
Finisar	A	Richard Johnson	y
Fujitsu	P	Sandy Wilson	y
Hitachi DS	P	Eric Hibbard	nv
HP	P	Barry Maskas	y
IBM	A	Roger Hathorn	y
INTEL	P	Prafulla Deuskar	y
JDS Uniphase	P	Dave Lewis	y
Juniper	A	Joseph White	y
LSI	A	Adam Healey	y
Luxtera	P	Tom Palkert	y
Mellanox	P	Diego Crupnicoff	y

<b>Organization</b>	<b>Representative Type</b>	<b>Voting Representative</b>	<b>Position Declared</b>
Microsoft	P	Albert Chen	nv
Molex	P	Jay Neer	y
NetApp	A	Denise Ridolfo	y
Opnext	P	Jon Anderson	y
Oracle	A	Matt Gaffney	y
Panduit	P	Robert Elliot	y
QLogic	P	Craig W. Carlson	y
Solution Technology	P	Robert Kembel	y
Symantec	P	Roger Cummings	y
Systimax	P	Terry Cobb	y
TrueFocus	P	Horst Truedtedt	nv
Tyco Electronics	P	Michael Walmsley	y
VMware	P	Lawrence Lamers	nv

### B.3 Forward FC-FS-3 to INCITS for 2nd public review and further processing

The question to accept T11/10-221v1 as approved clarifications to Revision 1.00 FC-FS-3 and to forward Revision 1.10 of FC-FS-3 (T11/10-010v2), Project 1861-D, to INCITS for further processing including second public review was a 2/3 majority roll call vote (see 11.2.2). The response to the roll call on the question was as follows, with “a” indicating abstention, “n” indicating opposing, “nv” indicating no vote, and “y” indicating favoring:

Organization	Representative Type	Voting Representative	Position Declared
Agilent	P	Joachim Vobis	y
Amphenol	P	Gregory McSorley	y
Avago	A	Michael deBie	y
Blade	A	Chetan Yaliwal	y
BROADCOM	A	Pat Thaler	y
Brocade	A	David Peterson	y
Cisco	A	Landon Noll	y
Corning	P	Doug Coleman	y
Dell	P	Gaurav Chawla	nv
EMC	A	David Black	y
Emulex	A	William R. Martin	y
ENDL Texas	P	Ralph Weber	y
eSilicon	P	Frank Barber	y
Finisar	A	Richard Johnson	y
Fujitsu	P	Sandy Wilson	y
Hitachi DS	P	Eric Hibbard	nv
HP	P	Barry Maskas	y
IBM	A	Roger Hathorn	y
INTEL	P	Prafulla Deuskar	y
JDS Uniphase	A	Jason Rusch	y
Juniper	A	Joseph White	y
LSI	A	Adam Healey	y
Luxtera	P	Tom Palkert	y
Mellanox	P	Diego Crupnicoff	nv
Microsoft	P	Albert Chen	nv

<b>Organization</b>	<b>Representative Type</b>	<b>Voting Representative</b>	<b>Position Declared</b>
Molex	P	Jay Neer	y
NetApp	A	Denise Ridolfo	y
Opnext	P	Jon Anderson	y
Oracle	A	Matt Gaffney	y
Panduit	P	Robert Elliot	y
QLogic	P	Craig W. Carlson	y
Solution Technology	A	David Deming	y
Symantec	P	Roger Cummings	y
Systimax	P	Terry Cobb	y
TrueFocus	P	Horst Truedtedt	nv
Tyco Electronics	P	Michael Walmsley	y
VMware	P	Lawrence Lamers	nv

### B.4 Forward FC-LS-2 to INCITS for 1st public review and further processing

The question to accept T11/10-121v2 as the resolution of the letter ballot comments on FC-LS-2 and to forward Revision 2.21 of FC-LS-2 (T11/10-122v2), Project 2103-D, to INCITS for further processing including public review was a 2/3 majority roll call vote (see 11.2.1). The response to the roll call on the question was as follows, with “a” indicating abstention, “n” indicating opposing, “nv” indicating no vote, and “y” indicating favoring:

Organization	Representative Type	Voting Representative	Position Declared
Agilent	P	Joachim Vobis	y
Amphenol	P	Gregory McSorley	y
Avago	A	Michael deBie	y
Blade	A	Chetan Yaliwal	y
BROADCOM	A	Pat Thaler	y
Brocade	A	David Peterson	y
Cisco	A	Landon Noll	y
Corning	P	Doug Coleman	y
Dell	P	Gaurav Chawla	nv
EMC	A	David Black	y
Emulex	A	William R. Martin	y
ENDL Texas	P	Ralph Weber	y
eSilicon	P	Frank Barber	y
Finisar	A	Richard Johnson	y
Fujitsu	P	Sandy Wilson	y
Hitachi DS	P	Eric Hibbard	nv
HP	P	Barry Maskas	y
IBM	A	Roger Hathorn	y
INTEL	P	Prafulla Deuskar	y
JDS Uniphase	A	Jason Rusch	y
Juniper	A	Joseph White	y
LSI	A	Adam Healey	y
Luxtera	P	Tom Palkert	y
Mellanox	P	Diego Crupnicoff	nv
Microsoft	P	Albert Chen	nv

<b>Organization</b>	<b>Representative Type</b>	<b>Voting Representative</b>	<b>Position Declared</b>
Molex	P	Jay Neer	y
NetApp	A	Denise Ridolfo	y
Opnext	P	Jon Anderson	y
Oracle	A	Matt Gaffney	y
Panduit	P	Robert Elliot	y
QLogic	P	Craig W. Carlson	y
Solution Technology	A	David Deming	y
Symantec	P	Roger Cummings	y
Systimax	P	Terry Cobb	y
TrueFocus	P	Horst Truedtedt	nv
Tyco Electronics	P	Michael Walmsley	y
VMware	P	Lawrence Lamers	nv

## B.5 Withdraw FC-AL-2

The question that INCITS TC T11 recommends the JTC 1 TAG Withdraw ISO/IEC 14165-241:2005 Information technology - Fibre Channel - Part 122: Arbitrated Loop - 2 (FC-AL-2) was a 2/3 majority roll call vote limited to U. S. domiciled members (see 14.2.1). The response to the roll call on the question was as follows, with “a” indicating abstention, “n” indicating opposing, “nv” indicating no vote, and “y” indicating favoring:

Organization	Representative Type	Voting Representative	Position Declared
Agilent	P	Joachim Vobis	y
Amphenol	P	Gregory McSorley	y
Avago	A	Michael deBie	y
Blade	A	Chetan Yaliwal	y
BROADCOM	A	Pat Thaler	y
Brocade	A	David Peterson	y
Cisco	A	Landon Noll	y
Corning	P	Doug Coleman	y
Dell	P	Gaurav Chawla	nv
EMC	A	David Black	y
Emulex	A	William R. Martin	y
ENDL Texas	P	Ralph Weber	y
eSilicon	P	Frank Barber	y
Finisar	A	Richard Johnson	y
Fujitsu	P	Sandy Wilson	y
Hitachi DS	P	Eric Hibbard	nv
HP	P	Barry Maskas	y
IBM	A	Roger Hathorn	y
INTEL	P	Prafulla Deuskar	y
JDS Uniphase	P	Dave Lewis	y
Juniper	A	Joseph White	y
LSI	A	Adam Healey	y
Luxtera	P	Tom Palkert	y
Mellanox	P	Diego Crupnicoff	nv
Microsoft	P	Albert Chen	nv

<b>Organization</b>	<b>Representative Type</b>	<b>Voting Representative</b>	<b>Position Declared</b>
Molex	P	Jay Neer	y
NetApp	A	Denise Ridolfo	y
Opnext	P	Jon Anderson	y
Oracle	A	Matt Gaffney	y
Panduit	P	Robert Elliot	y
QLogic	P	Craig W. Carlson	y
Solution Technology	P	Robert Kembel	y
Symantec	P	Roger Cummings	y
Systimax	P	Terry Cobb	y
TrueFocus	P	Horst Truedtedt	nv
Tyco Electronics	P	Michael Walmsley	y
VMware	P	Lawrence Lamers	nv

## B.6 Approve NWIP for OVF

The question that INCITS TC T11 recommends the JTC 1 TAG vote to Approve the NWIP (see T11/10-335v0) for Open Virtualization Format (OVF) was a 2/3 majority roll call vote limited to U. S. domiciled members (see 14.2.2). The response to the roll call on the question was as follows, with “a” indicating abstention, “n” indicating opposing, “nv” indicating no vote, and “y” indicating favoring:

Organization	Representative Type	Voting Representative	Position Declared
Agilent	P	Joachim Vobis	y
Amphenol	P	Gregory McSorley	y
Avago	A	Michael deBie	y
Blade	A	Chetan Yaliwal	y
BROADCOM	A	Pat Thaler	y
Brocade	A	David Peterson	y
Cisco	A	Landon Noll	y
Corning	P	Doug Coleman	y
Dell	P	Gaurav Chawla	nv
EMC	A	David Black	y
Emulex	A	William R. Martin	y
ENDL Texas	P	Ralph Weber	y
eSilicon	P	Frank Barber	y
Finisar	A	Richard Johnson	y
Fujitsu	P	Sandy Wilson	y
Hitachi DS	P	Eric Hibbard	nv
HP	P	Barry Maskas	y
IBM	A	Roger Hathorn	y
INTEL	P	Prafulla Deuskar	y
JDS Uniphase	P	Dave Lewis	y
Juniper	A	Joseph White	y
LSI	A	Adam Healey	y
Luxtera	P	Tom Palkert	y
Mellanox	P	Diego Crupnicoff	nv
Microsoft	P	Albert Chen	nv

<b>Organization</b>	<b>Representative Type</b>	<b>Voting Representative</b>	<b>Position Declared</b>
Molex	P	Jay Neer	y
NetApp	A	Denise Ridolfo	y
Opnext	P	Jon Anderson	y
Oracle	A	Matt Gaffney	y
Panduit	P	Robert Elliot	y
QLogic	P	Craig W. Carlson	y
Solution Technology	P	Robert Kembel	y
Symantec	P	Roger Cummings	y
Systimax	P	Terry Cobb	y
TrueFocus	P	Horst Truedtedt	nv
Tyco Electronics	P	Michael Walmsley	y
VMware	P	Lawrence Lamers	nv

## Annex C Supporting Documents

### C.1 T11 project status

The following table indicates the status of all active T11 projects. It reflects the official status as reported on the T11 web site as of the T11 plenary meeting 5 August 2010.

Stand	Status	Action	Target or Reaffirm Date	Editor	Ad Hoc Chair
<b>Projects in Development Stage</b>					
FC-BB-6	In dev.	To T11.3	40695	Peterson	DeSanti
FC-GS-7	in Dev.	T11 LB to fwd	40841	Carlson	Nixon
FC-IFR	In dev.	To T11.3	39661	Peterson	Pelissier
FC-MI-3	In dev	To T11.3	40634	Peterson	Ricci
FC-SP-2	In dev.	To T11.3	40452	DeSanti	Noll
FC-SW-6	At T11.3	To T11.3	41061	Wilson	Carlson
SM-HBA-2	In dev.	To T11	40210	Nixon	Peterson
<b>Projects in Approval Stage</b>					
FC-DA-2	At T11	res T11 LB cmts	40513	Peterson	Martin
FC-FS-3	At INCITS	End 2PR	40452	Nixon	Martin
FC-LS-2	At INCITS	End 1PR	40452	Carlson	Martin
FC-MSQS	T11.2 LB	To T11 LB	40339	Johnson	Wallace
FC-PI-3	At INCITS	2PR	40339	Ghiasi	Wallace
FC-PI-5	T11 LB	T11 LB	40339	Hashemi	Wallace
FC-SB-4	At T11	res T11 LB cmts	40087	Carlson	Hathorn
FC-SCM	At T11	res T11 LB cmts	40330	Martin	DeSanti

### C.2 T11 project status at ISO

The following tables indicates the status of all active T11 projects at ISO. It reflects the official status as reported at the T11 plenary meeting #100, 5 August 2010 in document T11/10-340v0.

### C.2.1 Active T11 SC25 WG4 Projects

JTC1/SC25 Project Num	Document	ISO/IEC # (T11 allocated)	Step	Status
1.25.13.13.49	FC-AE-ASM	14165-313	40.20	***FCD vote started.
1.25.13.13.50	FC-AE-RDMA	14165-314	40.20	***FCD vote started.
1.25.13.13.35	FC-LS	14165-261	10.99	FCD submitted 4/6/2010.
1.25.13.13.48	SM-HBA	14165-512	40.99	Revised SM-HBA submitted to ISO/IEC.
1.25.13.13.45	FC-BaseT	14165-151	10.99	FCD submitted 4/6/2010.
1.25.13.13.30	FC-BB-3	14165-243	10.99	FCD submitted 4/6/2010.
1.25.13.13.46	FC-DA	14165-341	40.20	FCD submitted 4/6/2010.
1.25.13.13.47	FC-MI-2	14165-372	30.20	FCD submitted 4/6/2010. ISO edits completed on 5/13/2010.
1.25.13.13.37	FC-PI-2	14165-142	10.99	NWIP approved, Frame source received but missing source for some figures.
1.25.13.13.44	FCSM	14165-119	10.99	FCD submitted 4/6/2010.
1.25.13.13.41	FC-SP	14165-431	40.20	Vote to approve 1st FCD submitted.
1.25.13.13.X	FC-SW-5	14165-135	10.99	NWIP in process at INCITS.
1.25.13.13.X	FC-GS-6	14165-416	00.00	NWIP in process at INCITS.
1.25.13.13.X	FC-BB-5	14165-244	00.00	NWIP in process at INCITS.
1.25.13.13.X	FC-AL-2	14165-122	00.00	NWIP will be sent to INCITS and ISO/IEC version will be withdrawn.

### C.2.2 Active SNIA SC25 WG4 Projects

JTC1/SC25 Project Num	Document	ISO/IEC # (T11 allocated)	Step	Status
1.25.13.19.01	Storage Management (SM)	24775	50.20	FCD submitted 4/6/2010. Central Office comments are being processed by SNIA editors. Plan is to have source ready by Aug 15.
1.25.13.22	Server Management Command Line Protocol (SMCLP)	13187	40.99	Should be published soon.

### C.2.3 Active Miscellaneous WG4 Projects

JTC1/SC25 Project Num	Document	ISO/IEC # (T11 allocated)	Step	Status
1.25.13.16.01	RIO	18372	10.99	Converting document to proper ISO format

### C.2.4 Published WG4 Projects

JTC1/SC25 Project Num	Document	ISO/IEC # (T11 allocated)	Step	Status
1.25.13.21	iSCSI Management API (IMA)	11989	60.60	Published
1.25.13.13.25	FC-SW-3	14165-133	60.60	Published
1.25.13.13.18	FC-AV	14165-321	60.00	Published.
1.25.13.13.19	FC-AE-1553	14165-312	60.60	Published.
1.25.13.13.29	FAIS	14165-521	60.60	Published.
1.25.13.13.15	FC-GS-4	14165-414	60.60	Published
1.25.13.13.22	FC-FS	14165-251	60.60	Published
1.25.13.13.26	FC-VI	14165-331	60.60	Published
1.25.13.13.27	10GFC	14165-116	60.60	Published
1.15.13.13.28	MJSQ	14165-117	60.60	Published
1.25.13.10.18	RL	24740	60.60	Published
1.25.13.19	SMS (was SMI-S)	24775	60.60	Published
1.25.13.20	SNIA MMA	11002	60.60	Published
1.25.13.13.27-1	10GFC-Amendment 1	14165-116-1	60.60	Published
1.25.13.13.06-1	FC-AL-2-1	14165-122	60.60	Published.
1.25.13.13.06-2	FC-AL-2-2	14165-122	60.60	Published

### C.2.5 ISO step codes

The following explains the ISO step codes (ISC), which are two numbers separated by a dot. The first number is described in the table. The second part is percent complete.

Stage	NWIP	Convert to ISO	FCD	Edit/DoC	FDIS	Edit/DoC	Publish
Ballot Time	2 months		4 months		2 months		
first number of ISC	10	20	40		50	60	60.60