

**Draft Minutes**  
**INCITS Fibre Channel (T11) Technical Committee plenary meeting #93**  
**4 June 2009 - 1:30 PM to 4:30 PM PDT**  
**Coeur d'Alene ID**

## **1 Opening remarks and Introductions**

### **1.1 Introductory Remarks**

New TC T11 chair Steve Wilson (Brocade) convened plenary meeting #93 of the INCITS Fibre Channel (T11) Technical Committee on Thursday, 4 June 2009 at 1:35 PM PDT. He introduced himself and thanked our hosts, FCIA and Chris Lyon, for the meeting facilities. He also thanked the vice chair for filling the chair's responsibilities during the recent vacancy of the chairmanship.

The chair then recognized that on June 3rd, Ralph Weber had accomplished another birthday.

Landon Noll presented the new chair with a bottle of wine in thanks for taking on the responsibility.

### **1.2 Self-introductions**

Claudio DeSanti (Cisco) introduced himself as vice-chair and Bob Nixon (Emulex) introduced himself as secretary.

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 red check mark on the T11 Web Site Center page (<http://www.t11.org/t11/docreg.nsf/center>), 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 made available as T11/09-253v2 among the documents for this meeting. The agenda was in HTML format with links to the appropriate supporting documents. The chair presented the agenda and made a call for any new agenda items. No new items were requested.

Landon Noll (Cisco) moved and Horst Truedstedt (TrueFocus) seconded that T11/09-253v2 as posted be approved as the agenda for this meeting. The motion passed unanimously.

## 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 (<http://www.incits.org/rd2/in081453.pdf>). 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

The following changes in member representation have been made since the last meeting:

- JDS:
  - > Mike Dudek is no longer Alternate representative for JDS.
  - > Dave Lewis remains Principal representative for JDS.
- QLogic:
  - > Ed McGlaughlin becomes Alternate representative for QLogic.
  - > Craig W. Carlson remains Principal representative for QLogic.
  - > Skip Jones remains Alternate representative for QLogic.

- > Alan Spalding remains Alternate representative for QLogic.
- > Dean Wallace remains Alternate representative for QLogic.

### **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**

The following organization has requested advisory membership at this meeting:

- DotHill:
  - > Elizabeth G. Rodriguez becomes Principal representative for advisory member DotHill.
  - > Ian Davies becomes Alternate representative for advisory member DotHill.

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

All representatives of member organizations Agilent, CIENA, Fujitsu, Panduit, PMC-Sierra, Seagate, and VMware were informed by email and by document T11/09-248v0 that their organizations were in jeopardy of losing their voting memberships as the result of not attending the required number of committee meetings.

- No representative of Agilent was present at this meeting. As a result, the membership of Agilent has been changed from voting to advisory effective at this meeting.
- Representative Martin Hunt of CIENA was present at this meeting. As a result, CIENA retains voting membership in this committee.
- Representative Mike Fitzpatrick of Fujitsu was present at this meeting. As a result, Fujitsu retains voting membership in this committee.
- Representative Robert Elliot of Panduit was present at this meeting. As a result, Panduit retains voting membership in this committee.
- Representative Brian L'Ecuyer of PMC-Sierra was present at this meeting. As a result, PMC-Sierra retains voting membership in this committee.
- No representative of Seagate was present at this meeting. As a result, the membership of Seagate has been changed from voting to advisory effective at this meeting.
- Representative Larry 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 organizations were in jeopardy of losing their membership as the result of not having paid required fees in a timely manner.

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

All representatives of member organizations Avago and Luxtera were informed by email and by document T11/09-125v0 that their organizations were in jeopardy of losing their voting memberships as the result of not meeting the requirements for responsiveness to letter ballots.

- Avago has voted in both of two letter ballots since it entered jeopardy as the result of not meeting the requirements for responsiveness to letter ballots. As a result, Avago retains voting membership in this committee and is no longer in jeopardy as the result of not meeting the requirements for responsiveness to letter ballots.
- Luxtera has voted in both of two letter ballots since it entered jeopardy as the result of not meeting the requirements for responsiveness to letter ballots. As a result, Luxtera retains voting membership in this committee and is no longer in jeopardy as the result of not meeting the requirements for responsiveness to letter ballots.

Representatives of member organizations Amphenol and Fujitsu were informed by the vice chair at this meeting that their organizations were in jeopardy of losing their membership as the result of not having paid required fees in a timely manner. They were further advised that for their organizations to retain their voting memberships, it is imperative that they cast a ballot in the next non-accelerated letter ballot.

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

Technical Committee T11 had 37 voting members at the T11 plenary meeting 2 April 2009. With

- no new voting member organizations (see 3.3.1);
- two voting member organizations losing voting membership for not attending the required number of meetings (see 3.4); and
- no voting member organizations losing voting membership for not responding to the required number of letter ballots (see 3.6);

the voting membership of T11 has decreased by 2 members to 35 effective at this meeting.

Reflecting the above changes, the voting membership of T11 for this meeting is recorded in annex A.1.2.

Reflecting the above changes, 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 35. One third of the total membership for this meeting is 12. The number of member organizations that responded to the call for quorum was 27. 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.

David Brown of Gennum responded to the call.

Representatives of nonmember organizations are tabulated in A.2.2. They were advised 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 chair described the process for T11 document distribution via the T11 Web Site. He reminded those present how to access meeting documents via the red check mark on the T11 Web Site Center page (<http://www.t11.org/t11/docreg.nsf/center>), and that documents are also available at <ftp://ftp.t11.org/latest>.

#### **5 Approval of Minutes - Meeting #92**

The prior plenary meeting of the INCITS Fibre Channel (T11) Technical Committee was #92 on 2 April 2009. The draft Minutes of that meeting were posted as document T11/09-243v2.

Minutes of International Action sessions are posted separately for member reference only (see clause 14).

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.

In private communication, Bob Nixon advised the secretary that the description of the SM-HBA-2 work group in 13.1 incorrectly identified its focus as 16GFC.

Bob Nixon (Emulex) moved and Horst Truedtedt (TrueFocus) seconded to accept T11/09-243v2 as modified at this meeting as the Minutes of T11 meeting #92 on 2 April 2009. The motion passed unanimously.

See action item 09-021.

## 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 progress.**
- 09-001 TG Chairs to update Project Status Sheet.  
**Ongoing.**
- 09-009 Secretary to determine where T11 standing rules are, or should be, documented.  
**In progress.**
- 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 progress.**
- 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 progress.**
- 09-012 T11 Secretary to post approved Minutes of T11 meeting #91 as agreed at T11 meeting #92.  
Completed by posting of T11/09-116v1.
- 09-013 T11 vice chair to forward Revision 3.0 of FC-PI-3 (T11/09-146v0), Project 1625-D, to INCITS for further processing including public review.  
Completed by email, DeSanti to Bennett, 17 April 2009
- 09-014 T11 vice chair to perform a Letter Ballot for approval of forwarding Revision 1.03 of FC-IFR (T11/08-173v0), Project 1745-D, to INCITS for first public review.  
Completed by letter ballot closed on 05/21/2009
- 09-015 T11 vice chair to perform a letter ballot on forwarding Revision 2.00 of FC-SB-4 (T11/09-017v1), Project 2122-D, to INCITS for further processing including public review.  
Completed by letter ballot closed on 05/21/2009
- 09-016 T11 vice chair to obtain a private enterprise number from IANA for use in standards developed by T11.  
Completed by posting of T11/09-250v0
- 09-017 T11 vice chair to advise the INCITS Board that T11 endorses Gary Robinson as the US candidate for JTC 1/SC 25/WG 4 Convener.  
Completed by email, DeSanti to Garner, 15 April 2009
- 09-018 Craig Carlson, as appointed liaison from the INCITS Fibre Channel (T11) Technical Committee to the InfiniBand Trade Association (IBTA), to send a letter to IBTA as drafted in T11/09-225v0.  
Completed by mail initiated 28 April 2009, copy posted as T11/09-225v1
- 09-019 T11 vice chair to create appropriate liaison reports from T11 to other organizations.  
Completed by posting of T11/09-252v0
- 09-020 T11 vice chair to update the meeting calendar to show the 2011 meeting dates to be 7-11 February, 4-8 April, 6-10 June, 1-5 August, 3-7 October, and 5-9 December.  
Completed

## **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), using the button "Projects".

It was noted that the chairmanship of FC-SP-2 is currently open, and a call for volunteers has been made.

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

### **8.1 FC-SB-4 to INCITS for further processing**

The question of forwarding FC-SB-4 to INCITS for further processing (T11/09-246v0) passed 23 Favoring, 2 Opposing, 8 Abstaining, 4 Not Voting. Three favoring responses offered comments.

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

The question of forwarding FC-IFR to INCITS for further processing (T11/09-247v0) passed 25 Favoring, 2 Opposing, 8 Abstaining, 2 Not Voting. 2 of favoring responses offered comments.

## **9 Old Business**

No old business was reconsidered.

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

### **10.1 Report to T11 Plenary (T11/09-368v0)**

Tom Palkert (Luxtera) presented the information posted as T11/09-368v0 on activity at T11.2.

### **10.2 Actions**

There were no actions from TG T11.2.

### **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 (T11/09-365v0)**

Craig Carlson (QLogic) presented the information posted as T11/09-365v0 on activity at T11.3.

## 11.2 Actions

### 11.2.1 Forward FC-BB-5 to INCITS for 1st public review and further processing

Brocade, EMC, Emulex, and NetApp cast opposing votes in the letter ballot on forwarding FC-BB-5 to INCITS for first public review.

- > In an email to the T11 Chair on behalf of Brocade, in consideration of the changes made to FC-BB-5 since the opposing vote was cast, Dave Peterson changed the position of Brocade on forwarding FC-BB-5 to INCITS for first public review to favoring. The email has been posted as T11/09-369v0.
- > In an email to the T11 Chair on behalf of EMC, in consideration of the changes made to FC-BB-5 since the opposing vote was cast, David Black changed the position of EMC on forwarding FC-BB-5 to INCITS for first public review to favoring. The email has been posted as T11/09-369v0.
- > In an email to the T11 Chair on behalf of Emulex, in consideration of the changes made to FC-BB-5 since the opposing vote was cast, Bob Nixon changed the position of Emulex on forwarding FC-BB-5 to INCITS for first public review to favoring. The email has been posted as T11/09-369v0.
- > In an email to the T11 Chair on behalf of NetApp, in consideration of the changes made to FC-BB-5 since the opposing vote was cast, Fred Knight changed the position of NetApp on forwarding FC-BB-5 to INCITS for first public review to favoring. The email has been posted as T11/09-369v0.

Craig Carlson (QLogic) moved and Landon Noll (Cisco) seconded to accept T11/09-010vA as the resolution of the letter ballot comments on FC-BB-5 and to forward FC-BB-5 revision 2.00 (T11/09-056v5), Project 1871-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 28 Favoring, 0 Opposing, 1 Abstaining, 6 Not Voting. The roll call record may be found in annex B.1.

See action item 09-022.

### 11.2.2 Forward FC-SW-5 to INCITS for 1st public review and further processing

No opposing votes were cast in the letter ballot on forwarding FC-SW-5 to INCITS for first public review.

Craig Carlson (QLogic) moved and Landon Noll (Cisco) seconded to accept T11/09-052v3 as the resolution of the letter ballot comments on FC-SW-5 and to forward Revision 8.5 of FC-SW-5 (T11/09-290v1), Project 1822-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 29 Favoring, 0 Opposing, 0 Abstaining, 6 Not Voting. The roll call record may be found in annex B.2.

See action item 09-023.

### 11.2.3 Project Proposal for FC-BB-6

Craig Carlson (QLogic) moved and Landon Noll (Cisco) seconded to approve T11/09-272v1 as the project proposal for FC-BB-6 and to forward T11/09-272v1 to INCITS for further processing as the project proposal for FC-BB-6. INCITS RD-2 requires approval of this question in accord with the 2/3 rule, allowing a meeting vote. A roll call vote was used. The motion met the 2/3 rule, with 29 Favoring, 0 Opposing, 0 Abstaining, 6 Not Voting. The roll call record may be found in annex B.3.

See action item 09-024.

## 11.3 Other items

### 11.3.1 Request LB for forwarding FC-LS-2

The TG Chair requested the T11 Chair to conduct a letter ballot on forwarding Revision 2.11 of FC-LS-2 (T11/09-260v1), Project 2103-D, to INCITS for further processing including public review.

The T11 Chair accepted. See action item 09-025.

## 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

Roger Cummings presented status on the progress of the SM-HBA-2 work group, as posted in T11/09-335v0.

### 13.2 QSFP+/Proposal Review (T11/09-350v0)

Tom Palkert, T11.2 chair, reported that difficulty had been encountered in other organizations with accepting SFF specifications as valid normative references. He raised possible approaches to getting those specifications normalized.

Dave Peterson (T11 international representative) offered to pursue the possibility of bringing the SFF specifications of interest directly to ISO/IEC for normalization. This approach will be pursued first.

Should ISO/IEC reject directly normalizing the SFF specifications of interest, an INCITS project (or projects) will be requested. Tom presented an example draft project proposal for QSFP+ (T11/09-350v0), but deferred requesting any action on it.

## 14 Review of International Activity

### 14.1 ISO Status Report (T11/09-310v0)

David Peterson (Brocade) presented the information posted as T11/09-310v0 on project status at ISO. He advised that very recent status changes are known and will be reflected in a revised draft of T11/09-310v0 to be posted (see annex C.2).

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

#### 14.2.1 Motion 1: Approve Storage Management

Steve Wilson (Brocade) moved and Bill Martin (Emulex) seconded that INCITS TC T11 recommend that the INCITS Executive Board indicate approval of the technical content of DIS 13186, Information technology - Storage Management. INCITS RD-2 requires approval of this question in accord with the 2/3 rule, as determined by roll call limited to US domiciled members. The motion met the 2/3 rule, with 29 Favoring, 0 Opposing, 0 Abstaining, 6 Not Voting. The roll call record may be found in annex B.4.

See action item 09-026.

**14.2.2 Motion 2: Approve Server Management Command Line Protocol (SM CLP) specification**

Steve Wilson (Brocade) moved and Bill Martin (Emulex) seconded that INCITS TC T11 recommend that the INCITS Executive Board indicate approval of the technical content of DIS 13187, Information technology - Server Management Command Line Protocol (SM CLP) specification. INCITS RD-2 requires approval of this question in accord with the 2/3 rule, as determined by roll call limited to US domiciled members. The motion met the 2/3 rule, with 29 Favoring, 0 Opposing, 0 Abstaining, 6 Not Voting. The roll call record may be found in annex B.5.

See action item 09-027.

**14.2.3 Motion 3: US delegation to the 2009 Salt Lake City Interim JTC 1/SC 25/WG 4 meeting**

Steve Wilson (Brocade) moved and Bill Martin (Emulex) seconded that INCITS TC T11 recommend that the following people be approved for inclusion on the US delegation to the 2009 Salt Lake City Interim JTC 1/SC 25/WG 4 meeting:

- David Peterson - US Head of Delegation for WG 4
- John Lohmeyer - delegate
- Craig Carlson - delegate
- Bill Martin - delegate
- Fred Knight - delegate
- Ralph Weber - delegate
- Landon Noll - delegate
- Eric Hibbard - delegate
- Claudio DeSanti - delegate

INCITS RD-2 requires approval of this question in accord with the 2/3 rule, as determined by roll call limited to US domiciled members. The motion met the 2/3 rule, with 29 Favoring, 0 Opposing, 0 Abstaining, 6 Not Voting. The roll call record may be found in annex B.6.

See action item 09-028.

**14.2.4 Motion 4: US delegation to the 2009 Beijing JTC 1/SC 25 meetings**

Steve Wilson (Brocade) moved and Bill Martin (Emulex) seconded that INCITS TC T11 recommend that the following person be approved for inclusion on the US delegation to the 2009 Beijing JTC 1/SC 25 meetings:

- David Peterson - US Head of Delegation for WG 4.

INCITS RD-2 requires approval of this question in accord with the 2/3 rule, as determined by roll call limited to US domiciled members. The motion met the 2/3 rule, with 29 Favoring, 0 Opposing, 0 Abstaining, 6 Not Voting. The roll call record may be found in annex B.7.

See action item 09-029.

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

#### **14.3.1 Action 1: Provide appropriate patent declarations as requested**

The ISO process and format for submitting patent declarations concerning ISO projects are provided in [http://www.incits.org/patdec\\_form.doc](http://www.incits.org/patdec_form.doc).

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

No new business or new technical items were presented.

### **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. The INCITS intellectual property policies are specified in pages 1-3 of [http://www.incits.org/pat\\_slides.pdf](http://www.incits.org/pat_slides.pdf).

##### **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 INCITS Liaison, activities other than T11 project status (T11/09-346v0))**

Steve Wilson (Brocade) presented the information posted as T11/09-346v0) on activity at INCITS.

#### **17.2 TC T10 (T11/09-265v0)**

John Lohmeyer (LSI Logic) presented the information posted as T11/09-265v0 on activity at INCITS Technical Committee T10.

John reported on the results of the T10 effort to clarify the INCITS policy concerning adoption of international versions to replace INCITS standards. He felt that an effective resolution had been reached.

The issue of automatically adopting international standards was discussed at both the INCITS TC Symposium and at the Executive Board meeting in April. It was noted that the word "automatic" was an unfortunate choice.

The international editing process is being modified in a way that should help. All editorial work will be completed before the FDIS ballot and the T11 Project Editor will be given access to the FDIS source files. T11 will be able to compare the ANSI and the international source files for any unintended differences.

Steve Wilson (Brocade) moved and Claudio DeSanti (Cisco) seconded that T11 withdraw its objections to INCITS policy on the adoption of international standards. The motion carried, 27 approving, 0 objecting, 0 abstaining, and 8 not voting.

See action item 09-030.

### **17.3 FCIA (T11/09-366v0)**

Skip Jones (QLogic) presented the information posted as T11/09-366v0 on activity at FCIA.

### **17.4 IEEE 802.1 (T11/09-349v0)**

Claudio DeSanti (Cisco) presented the information posted as T11/09-349v0 on activity at IEEE 802.1.

### **17.5 IEEE 802.3 (T11/09-356v0)**

Terry Cobb (Systemax) presented the information posted as T11/09-356v0 on activity at IEEE 802.3.

### **17.6 IETF (T11/09-343v0)**

David Black (EMC) presented the information posted as T11/09-343v0 on activity at IETF that was of general interest to T11. Other information of narrower interest was presented to the appropriate TGs.

### **17.7 INCITS TC CS1 (T11/09-333v0)**

Eric Hibbard (HDS) presented the information posted as T11/09-333v0 on activity at INCITS Technical Committee CS1.

### **17.8 IEEE 1619 (T11/09-332v0)**

Eric Hibbard (HDS) presented the information posted as T11/09-332v0 on activity at IEEE 1619.

### **17.9 SNIA and DMTF (T11/09-331v0)**

Denise Ridolfo (NetApp) presented the information posted as T11/09-331v0 on activity at SNIA and DMTF.

### **17.10 TIA (T11/09-357v0)**

Terry Cobb (Systemax) presented the information posted as T11/09-357v0 on activity at TIA.

### **17.11 Preparation of new liaison reports**

The chair accepted the action to create appropriate liaison reports from T11 to other organizations. See action item 09-031.

## 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 (T11/09-334v0)

The T11 Webmaster, Roger Cummings (Symantec), presented the information posted as T11/09-334v0 on the status of the T11 web site.

The membership was warned to expect strange behavior of the web site in the period July 13-24 2009, as the webmaster attempts to comply with INCITS directives (and understandings) on public access.

#### 18.2.2 Wireless status

No report was presented on the T11 meeting network facility.

### 18.3 Other matters

No other matters were brought for consideration.

#### 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 two hours at the T11 plenary week hosted by NetApp in Salt Lake City UT, 3-7 August 2009.

The vice chair will account for these requests in the schedule for the T11 plenary week hosted by NetApp in Salt Lake City UT, 3-7 August 2009.

### 19.2 Request for hosts - 2009-2010

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

Date	Location	Host
Aug 3-7, 2009	Salt Lake City, UT	Frederick Knight
Oct 5-9, 2009	Sacramento, CA	Bill Martin
Dec 7-11, 2009	New Orleans, LA	Chris Lyon
Feb 1-5, 2010	San Antonio, TX (tentative)	Chris Lyon
Apr 12-16, 2010	Pasadena, CA (tentative)	Chris Lyon
Jun 7-11, 2010	Minneapolis, MN (tentative)	Chris Lyon
Aug 2-6, 2010	Chicago, IL (tentative)	Chris Lyon
Oct 18-22, 2010	Bellevue, WA	Robert Griswold
Dec 6-10, 2010	Jacksonville, FL (tentative)	Chris Lyon
Feb 7-11, 2011	(tbd)	
Apr 4-8, 2011	(tbd)	
Jun 6-10, 2011	(tbd)	
Aug 1-5, 2011	(tbd)	
Oct 3-7, 2011	(tbd)	
Dec 5-9, 2011	(tbd)	

### 19.3 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.

#### **19.4 Approval of meeting venues**

The vice chair presented a list of tentative meeting venues for 2010 (see 19.2) for approval by the membership.

Claudio DeSanti (Cisco) moved and Bob Nixon (Emulex) seconded to accept the following meeting venues:

- |                   |                   |
|-------------------|-------------------|
| > Feb 1-5, 2010   | San Antonio, TX   |
| > Apr 12-16, 2010 | Pasadena, CA      |
| > Jun 7-11, 2010  | Minneapolis, MN   |
| > Aug 2-6, 2010   | Chicago, IL       |
| > Dec 6-10, 2010  | Jacksonville, FL. |

T11 requires approval of this question in accord with the 2/3 rule, as determined by meeting vote. The motion met the 2/3 rule, with 27 Favoring, 0 Opposing, 0 Abstaining, 8 Not Voting.

See action item 09-032.

#### **19.5 Next meeting information, hosted by NetApp in Salt Lake City UT, 3-7 August 2009**

The chair reminded the membership that the next T11 plenary week is hosted by NetApp in Salt Lake City UT, 3-7 August 2009. 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).

#### **19.6 Letter to travel representatives on hotel rates (T11/03-150v0)**

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 T11/03-150v0 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 August 2009 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 #93 is shown in annex A.2. 28 people from 24 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.**
- 09-001 TG Chairs to update Project Status Sheet.  
**Ongoing.**
- 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.**
- 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.**
- 09-021 Secretary to revise and post approved Minutes of T11 meeting #92 as agreed at T11 meeting #93. See clause 5.
- 09-022 T11 Chair to forward FC-BB-5 revision 2.00 (T11/09-056v5), Project 1871-D, to INCITS for further processing including public review. See 11.2.1.
- 09-023 T11 Chair to forward Revision 8.5 of FC-SW-5 (T11/09-290v1), Project 1822-D, to INCITS for further processing including public review. See 11.2.2.
- 09-024 T11 Chair to forward T11/09-272v1 to INCITS for further processing as the project proposal for FC-BB-6. See 11.2.3.
- 09-025 T11 Chair to conduct a letter ballot on forwarding Revision 2.11 of FC-LS-2 (T11/09-260v1), Project 2103-D, to INCITS for further processing including public review. See 11.3.1.
- 09-026 T11 International Representative to advise INCITS that INCITS TC T11 recommends that the INCITS Executive Board indicate approval of the technical content of DIS 13186, Information technology - Storage Management. (see 14.2.1)
- 09-027 T11 International Representative to advise INCITS that INCITS TC T11 recommends that the INCITS Executive Board indicate approval of the technical content of DIS 13187, Information technology - Server Management Command Line Protocol (SM CLP) specification. (see 14.2.2).

09-028 T11 International Representative to advise INCITS that INCITS TC T11 recommend that the following people be approved for inclusion on the US delegation to the 2009 Salt Lake City Interim JTC 1/SC 25/WG 4 meeting:

- David Peterson - US Head of Delegation for WG 4
- John Lohmeyer - delegate
- Craig Carlson - delegate
- Bill Martin - delegate
- Fred Knight - delegate
- Ralph Weber - delegate
- Landon Noll - delegate
- Eric Hibbard - delegate
- Claudio DeSanti - delegate

(see 14.2.3).

09-029 T11 International Representative to advise INCITS that INCITS TC T11 recommends that the following person be approved for inclusion on the US delegation to the 2009 Beijing JTC 1/SC 25 meetings:

- David Peterson - US Head of Delegation for WG 4

(see 14.2.4).

09-030 T11 chair to notify INCITS that T11 has withdrawn its objections to INCITS policy on the adoption of international standards. (see 17.2)

09-031 T11 chair to create appropriate liaison reports from T11 to other organizations. See 17.11.

09-032 T11 vice chair to update the web site to show the following approved meeting venues:

- |                   |                   |
|-------------------|-------------------|
| > Feb 1-5, 2010   | San Antonio, TX   |
| > Apr 12-16, 2010 | Pasadena, CA      |
| > Jun 7-11, 2010  | Minneapolis, MN   |
| > Aug 2-6, 2010   | Chicago, IL       |
| > Dec 6-10, 2010  | Jacksonville, FL. |

See 19.4.

## 22 Adjournment

Horst Truedstedt (TrueFocus) moved and John Lohmeyer (LSI) seconded to adjourn at 3:43 PM PDT. 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 #93 of the INCITS Fibre Channel (T11) Technical Committee, including the recognized representatives of each member organization:

Organization	Representative Type	Representative
Amphenol	Principal	Gregory McSorley
	Alternate	Michael Wingard
Avago	Principal	Randy Clark
	Alternate	David Cunningham
	Alternate	Rita Horner
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
CIENA	Principal	Martin Hunt
	Alternate	Sashi Thiagarajan

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
EMC	Principal	Gary S. Robinson
	Alternate	David Black
	Alternate	Erik Smith
Emulex	Principal	Bob Nixon
	Alternate	William R. Martin
ENDL Texas	Principal	Ralph Weber
	Alternate	Dal Allan
eSilicon	Principal	Frank Barber
	Alternate	Rakesh Chadha
Finisar	Principal	Alex Pavlovsky
	Alternate	Paul Gentieu
	Alternate	Tim Beyers
	Alternate	Scott Baxter
	Alternate	Jason Rusch
Fujitsu	Principal	Mike Fitzpatrick
Hitachi DS	Principal	Eric Hibbard
	Alternate	Vincent Franceschini

Organization	Representative Type	Representative
HP	Principal	Jieming Zhu
	Alternate	Sean Fitzpatrick
	Alternate	Oladeji Akanbi
	Alternate	Don Fraser
	Alternate	Barry Maskas
IBM	Principal	Scott Carlson
	Alternate	Roger Hathorn
	Alternate	Louis Ricci
JDS Uniphase	Principal	Dave Lewis
LSI	Principal	Curtis Ridgeway
	Alternate	Adam Healey
	Alternate	John Lohmeyer
Luxtera	Principal	Tom Palkert
Mellanox	Principal	Diego Crupnicoff
	Alternate	Dror Goldenberg
Microsoft	Principal	Robert Griswold
	Alternate	Albert Chen
	Alternate	Calvin Chen
Molex	Principal	Jay Neer
NetApp	Principal	Frederick Knight
	Alternate	Denise Ridolfo
Panduit	Principal	Robert Elliot
	Alternate	Steve Skiest
	Alternate	Robert Reid
	Alternate	Gaston Tudury
PMC-Sierra	Principal	Brian L'Ecuyer
	Alternate	Peichen Chang
	Alternate	Gregg Goyins

Organization	Representative Type	Representative
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
Sun Microsystems	Principal	Roger Dickerson
	Alternate	Matt Gaffney
	Alternate	Michael Roy
	Alternate	Vit Novak
Symantec	Principal	Roger Cummings
	Alternate	David Dillard
Systimax	Principal	Terry Cobb
	Alternate	Paul Kolesar
TrueFocus	Principal	Horst Truedtedt
	Alternate	Jeanne Truedtedt
Tyco Electronics	Principal	Michael Walmsley
	Alternate	Andrew Nowak
	Alternate	Doug Lawrence
	Alternate	Michael Fogg
VMware	Principal	Lawrence Lamers
	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 #93 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	Neal O'Gorman
Corrigent	Principal	Moran Roth
	Alternate	Luis Aguirre-Torres
Crossroads Systems	Principal	Bill Moody
Dot Hill	Principal	Elizabeth G. Rodriguez
	Alternate	Ian Davies
DSI A*STAR	Principal	Khin Mi Mi Aung
Excelight	Principal	Mark Furumai
	Alternate	Eddie Tsumura
FCI	Principal	Doug Wagner
	Alternate	David Sideck
Hitachi America	Principal	Hidehisa Shitomi
	Alternate	Junji Kinoshita
Huawei	Principal	Liyao Chen
	Alternate	Linda Dunbar
Liberty Intl	Principal	Phil Zuniga
NORTEL	Principal	Graham Copley
Opnext	Principal	Josef Berger
	Alternate	Matt Traverso
	Alternate	Jon Anderson
	Alternate	Jim Rapka
PacketLight	Principal	Omri Viner
	Alternate	Koby Reshef

Organization	Representative Type	Representative
Seagate	Principal	Allen Kramer
	Alternate	James Coomes
	Alternate	Martin Czekalski
ServerEngines	Principal	Sanjeev Datla
	Alternate	David Ridgeway
ST	Principal	Gianfranco Scherini
	Alternate	Massimo Pozzoni
Storspeed	Principal	Scott Johnson
	Alternate	Joaquin Aviles
Texas Instruments	Principal	Rajeev Jain
	Alternate	Stephen Hubbins
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 #93 of the INCITS Fibre Channel (T11) Technical Committee:

Organization	Representative
BROADCOM	Pat Thaler
BROCADE	David Peterson
BROCADE	Steven L. Wilson
CIENA CORPORATION	Martin Hunt
CISCO SYSTEMS	Landon Noll
CISCO SYSTEMS, INC.	Claudio DeSanti
DELL	Gaurav Chawla
EMC	David Black
EMULEX	Bob Nixon
EMULEX	William R. Martin
ENDL TEXAS	Ralph Weber

<b>Organization</b>	<b>Representative</b>
FUJITSU COMPUTER PRODUCTS OF AMERICA	Mike Fitzpatrick
HEWLETT PACKARD	Sean Fitzpatrick
HITACHI DATA SYSTEMS	Eric Hibbard
IBM	Roger Hathorn
LSI CORP.	John Lohmeyer
MELLANOX TECHNOLOGIES	Diego Crupnicoff
MICROSOFT CORPORATION	Robert Griswold
NETAPP	Frederick Knight
PANDUIT CORPORATION	Robert Elliot
PMC-SIERRA	Brian L'Ecuyer
QLOGIC CORP.	Craig W. Carlson
SOLUTION TECHNOLOGY	Robert Kembel
SUN MICROSYSTEMS	Michael Roy
SYMANTEC	Roger Cummings
TRUE FOCUS, INC	Horst Truedtedt
VMWARE	Lawrence Lamers

### **A.2.2 Nonmember organizations**

The following is the list of nonmember organization and their representative recorded in the online attendance registry as attending plenary meeting #93 of the INCITS Fibre Channel (T11) Technical Committee:

<b>Organization</b>	<b>Representative</b>
GENNUM CORPORATION	David Brown

## Annex B Roll Call Vote Tallies

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

The question to accept T11/09-010vA as the resolution of the letter ballot comments on FC-BB-5 and to forward FC-BB-5 revision 2.00 (T11/09-056v5), Project 1871-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:

Organization	Representative type	Representative	Vote
Amphenol	Principal	Gregory McSorley	favor
Avago	Alternate	David Cunningham	favor
Blade	Principal	Tienwei (Tim) Chao	no vote cast
BROADCOM	Alternate	Pat Thaler	favor
Brocade	Alternate	David Peterson	favor
CIENA	Principal	Martin Hunt	favor
Cisco	Principal	Claudio DeSanti	favor
Corning	Alternate	Steven E. Swanson	favor
Dell	Principal	Gaurav Chawla	favor
EMC	Alternate	David Black	favor
Emulex	Alternate	William R. Martin	favor
ENDL Texas	Principal	Ralph Weber	favor
eSilicon	Principal	Frank Barber	no vote cast
Finisar	Principal	Alex Pavlovsky	no vote cast
Fujitsu	Principal	Mike Fitzpatrick	favor
Hitachi DS	Principal	Eric Hibbard	favor
HP	Alternate	Sean Fitzpatrick	favor
IBM	Alternate	Roger Hathorn	favor
JDS Uniphase	Principal	Dave Lewis	favor
LSI	Alternate	John Lohmeyer	favor
Luxtera	Principal	Tom Palkert	favor
Mellanox	Principal	Diego Crupnicoff	no vote cast

Organization	Representative type	Representative	Vote
Microsoft	Principal	Robert Griswold	abstain
Molex	Principal	Jay Neer	no vote cast
NetApp	Principal	Frederick Knight	favor
Panduit	Principal	Robert Elliot	favor
PMC-Sierra	Principal	Brian L'Ecuyer	favor
QLogic	Principal	Craig W. Carlson	favor
Solution Technology	Principal	Robert Kembel	favor
Sun Microsystems	Alternate	Michael Roy	favor
Symantec	Principal	Roger Cummings	favor
Systemax	Principal	Terry Cobb	favor
TrueFocus	Principal	Horst Truedtedt	favor
Tyco Electronics	Principal	Michael Walmsley	no vote cast
VMware	Principal	Lawrence Lamers	favor

**B.2 Forward FC-SW-5 to INCITS for 1st public review and further processing**

The question to accept T11/09-052v3 as the resolution of the letter ballot comments on FC-SW-5 and to forward Revision 8.5 of FC-SW-5 (T11/09-290v1), Project 1822-D, to INCITS for further processing including 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:

Company	Representative Type	Representatives	Vote
Amphenol	Principal	Gregory McSorley	favor
Avago	Alternate	David Cunningham	favor
Blade	Principal	Tienwei (Tim) Chao	no vote cast
BROADCOM	Alternate	Pat Thaler	favor
Brocade	Alternate	David Peterson	favor
CIENA	Principal	Martin Hunt	favor
Cisco	Principal	Claudio DeSanti	favor
Corning	Alternate	Steven E. Swanson	favor

<b>Company</b>	<b>Representative Type</b>	<b>Representatives</b>	<b>Vote</b>
Dell	Principal	Gaurav Chawla	favor
EMC	Alternate	David Black	favor
Emulex	Alternate	William R. Martin	favor
ENDL Texas	Principal	Ralph Weber	favor
eSilicon	Principal	Frank Barber	no vote cast
Finisar	Principal	Alex Pavlovsky	no vote cast
Fujitsu	Principal	Mike Fitzpatrick	favor
Hitachi DS	Principal	Eric Hibbard	favor
HP	Alternate	Sean Fitzpatrick	favor
IBM	Alternate	Roger Hathorn	favor
JDS Uniphase	Principal	Dave Lewis	favor
LSI	Alternate	John Lohmeyer	favor
Luxtera	Principal	Tom Palkert	favor
Mellanox	Principal	Diego Crupnicoff	no vote cast
Microsoft	Principal	Robert Griswold	favor
Molex	Principal	Jay Neer	no vote cast
NetApp	Principal	Frederick Knight	favor
Panduit	Principal	Robert Elliot	favor
PMC-Sierra	Principal	Brian L'Ecuyer	favor
QLogic	Principal	Craig W. Carlson	favor
Solution Technology	Principal	Robert Kembel	favor
Sun Microsystems	Alternate	Michael Roy	favor

Company	Representative Type	Representatives	Vote
Symantec	Principal	Roger Cummings	favor
Systimax	Principal	Terry Cobb	favor
TrueFocus	Principal	Horst Truedtedt	favor
Tyco Electronics	Principal	Michael Walmsley	no vote cast
VMware	Principal	Lawrence Lamers	favor

### B.3 Project Proposal for FC-BB-6 (T11/09-272v0)

The question to approve T11/09-272v1 as the project proposal for FC-BB-6 and to forward T11/09-272v1 to INCITS for further processing as the project proposal for FC-BB-6 was a 2/3 majority roll call vote (see 11.2.3). The response to the roll call on the question was as follows:

Company	Representative Type	Representatives	Vote
Amphenol	Principal	Gregory McSorley	favor
Avago	Alternate	David Cunningham	favor
Blade	Principal	Tienwei (Tim) Chao	no vote cast
BROADCOM	Alternate	Pat Thaler	favor
Brocade	Alternate	David Peterson	favor
CIENA	Principal	Martin Hunt	favor
Cisco	Principal	Claudio DeSanti	favor
Corning	Alternate	Steven E. Swanson	favor
Dell	Principal	Gaurav Chawla	favor
EMC	Alternate	David Black	favor
Emulex	Alternate	William R. Martin	favor
ENDL Texas	Principal	Ralph Weber	favor
eSilicon	Principal	Frank Barber	no vote cast
Finisar	Principal	Alex Pavlovsky	no vote cast
Fujitsu	Principal	Mike Fitzpatrick	favor
Hitachi DS	Principal	Eric Hibbard	favor

<b>Company</b>	<b>Representative Type</b>	<b>Representatives</b>	<b>Vote</b>
HP	Alternate	Sean Fitzpatrick	favor
IBM	Alternate	Roger Hathorn	favor
JDS Uniphase	Principal	Dave Lewis	favor
LSI	Alternate	John Lohmeyer	favor
Luxtera	Principal	Tom Palkert	favor
Mellanox	Principal	Diego Crupnicoff	no vote cast
Microsoft	Principal	Robert Griswold	favor
Molex	Principal	Jay Neer	no vote cast
NetApp	Principal	Frederick Knight	favor
Panduit	Principal	Robert Elliot	favor
PMC-Sierra	Principal	Brian L'Ecuyer	favor
QLogic	Principal	Craig W. Carlson	favor
Solution Technology	Principal	Robert Kembel	favor
Sun Microsystems	Alternate	Michael Roy	favor
Symantec	Principal	Roger Cummings	favor
Systimax	Principal	Terry Cobb	favor
TrueFocus	Principal	Horst Truedtedt	favor
Tyco Electronics	Principal	Michael Walmsley	no vote cast
VMware	Principal	Lawrence Lamers	favor

## B.4 Approve Storage Management

The question that INCITS TC T11 recommend that the INCITS Executive Board indicate approval of the technical content of DIS 13186, Information technology - Storage Management was a 2/3 majority roll call vote limited to US domiciled members (see 14.2.1). The response to the roll call on the question was as follows:

Company	Representative Type	Representatives	Vote 3
Amphenol	Principal	Gregory McSorley	favor
Avago	Alternate	David Cunningham	favor
Blade	Principal	Tienwei (Tim) Chao	no vote cast
BROADCOM	Alternate	Pat Thaler	favor
Brocade	Alternate	David Peterson	favor
CIENA	Principal	Martin Hunt	favor
Cisco	Alternate	Landon Noll	favor
Corning	Alternate	Steven E. Swanson	favor
Dell	Principal	Gaurav Chawla	favor
EMC	Alternate	David Black	favor
Emulex	Alternate	William R. Martin	favor
ENDL Texas	Principal	Ralph Weber	favor
eSilicon	Principal	Frank Barber	no vote cast
Finisar	Principal	Alex Pavlovsky	no vote cast
Fujitsu	Principal	Mike Fitzpatrick	favor
Hitachi DS	Principal	Eric Hibbard	favor
HP	Alternate	Sean Fitzpatrick	favor
IBM	Alternate	Roger Hathorn	favor
JDS Uniphase	Principal	Dave Lewis	favor
LSI	Alternate	John Lohmeyer	favor
Luxtera	Principal	Tom Palkert	favor
Mellanox	Principal	Diego Crupnicoff	no vote cast
Microsoft	Principal	Robert Griswold	favor

Company	Representative Type	Representatives	Vote 3
Molex	Principal	Jay Neer	favor
NetApp	Principal	Frederick Knight	favor
Panduit	Principal	Robert Elliot	favor
PMC-Sierra	Principal	Brian L'Ecuyer	no vote cast
QLogic	Principal	Craig W. Carlson	favor
Solution Technology	Principal	Robert Kembel	favor
Sun Microsystems	Alternate	Michael Roy	favor
Symantec	Principal	Roger Cummings	favor
Systemax	Principal	Terry Cobb	favor
TrueFocus	Principal	Horst Truedtedt	favor
Tyco Electronics	Principal	Michael Walmsley	no vote cast
VMware	Principal	Lawrence Lamers	favor

### B.5 Approve Server Management Command Line Protocol (SM CLP) specification

The question that INCITS TC T11 recommend that the INCITS Executive Board indicate approval of the technical content of DIS 13187, Information technology - Server Management Command Line Protocol (SM CLP) specification was a 2/3 majority roll call vote limited to US domiciled members (see 14.2.2). The response to the roll call on the question was as follows:

Company	Representative Type	Representatives	Vote 3
Amphenol	Principal	Gregory McSorley	favor
Avago	Alternate	David Cunningham	favor
Blade	Principal	Tienwei (Tim) Chao	no vote cast
BROADCOM	Alternate	Pat Thaler	favor
Brocade	Alternate	David Peterson	favor
CIENA	Principal	Martin Hunt	favor
Cisco	Alternate	Landon Noll	favor
Corning	Alternate	Steven E. Swanson	favor
Dell	Principal	Gaurav Chawla	favor

Company	Representative Type	Representatives	Vote 3
EMC	Alternate	David Black	favor
Emulex	Alternate	William R. Martin	favor
ENDL Texas	Principal	Ralph Weber	favor
eSilicon	Principal	Frank Barber	no vote cast
Finisar	Principal	Alex Pavlovsky	no vote cast
Fujitsu	Principal	Mike Fitzpatrick	favor
Hitachi DS	Principal	Eric Hibbard	favor
HP	Alternate	Sean Fitzpatrick	favor
IBM	Alternate	Roger Hathorn	favor
JDS Uniphase	Principal	Dave Lewis	favor
LSI	Alternate	John Lohmeyer	favor
Luxtera	Principal	Tom Palkert	favor
Mellanox	Principal	Diego Crupnicoff	no vote cast
Microsoft	Principal	Robert Griswold	favor
Molex	Principal	Jay Neer	favor
NetApp	Principal	Frederick Knight	favor
Panduit	Principal	Robert Elliot	favor
PMC-Sierra	Principal	Brian L'Ecuyer	no vote cast
QLogic	Principal	Craig W. Carlson	favor
Solution Technology	Principal	Robert Kembel	favor
Sun Microsystems	Alternate	Michael Roy	favor
Symantec	Principal	Roger Cummings	favor
Systimax	Principal	Terry Cobb	favor
TrueFocus	Principal	Horst Truedtedt	favor
Tyco Electronics	Principal	Michael Walmsley	no vote cast
VMware	Principal	Lawrence Lamers	favor

### B.6 US delegation to the 2009 Salt Lake City Interim JTC 1/SC 25/WG 4 meeting

The question that INCITS TC T11 recommend that the following people be approved for inclusion on the US delegation to the 2009 Salt Lake City Interim JTC 1/SC 25/WG 4 meeting:

- David Peterson - US Head of Delegation for WG 4
- John Lohmeyer - delegate
- Craig Carlson - delegate
- Bill Martin - delegate
- Fred Knight - delegate
- Ralph Weber - delegate
- Landon Noll - delegate
- Eric Hibbard - delegate
- Claudio DeSanti - delegate

was a 2/3 majority roll call vote limited to US domiciled members (see 14.2.3). The response to the roll call on the question was as follows:

Company	Representative Type	Representatives	Vote 3
Amphenol	Principal	Gregory McSorley	favor
Avago	Alternate	David Cunningham	favor
Blade	Principal	Tienwei (Tim) Chao	no vote cast
BROADCOM	Alternate	Pat Thaler	favor
Brocade	Alternate	David Peterson	favor
CIENA	Principal	Martin Hunt	favor
Cisco	Alternate	Landon Noll	favor
Corning	Alternate	Steven E. Swanson	favor
Dell	Principal	Gaurav Chawla	favor
EMC	Alternate	David Black	favor
Emulex	Alternate	William R. Martin	favor
ENDL Texas	Principal	Ralph Weber	favor
eSilicon	Principal	Frank Barber	no vote cast
Finisar	Principal	Alex Pavlovsky	no vote cast

Company	Representative Type	Representatives	Vote 3
Fujitsu	Principal	Mike Fitzpatrick	favor
Hitachi DS	Principal	Eric Hibbard	favor
HP	Alternate	Sean Fitzpatrick	favor
IBM	Alternate	Roger Hathorn	favor
JDS Uniphase	Principal	Dave Lewis	favor
LSI	Alternate	John Lohmeyer	favor
Luxtera	Principal	Tom Palkert	favor
Mellanox	Principal	Diego Crupnicoff	no vote cast
Microsoft	Principal	Robert Griswold	favor
Molex	Principal	Jay Neer	favor
NetApp	Principal	Frederick Knight	favor
Panduit	Principal	Robert Elliot	favor
PMC-Sierra	Principal	Brian L'Ecuyer	no vote cast
QLogic	Principal	Craig W. Carlson	favor
Solution Technology	Principal	Robert Kembel	favor
Sun Microsystems	Alternate	Michael Roy	favor
Symantec	Principal	Roger Cummings	favor
Systemax	Principal	Terry Cobb	favor
TrueFocus	Principal	Horst Truedtedt	favor
Tyco Electronics	Principal	Michael Walmsley	no vote cast
VMware	Principal	Lawrence Lamers	favor

### B.7 US delegation to the 2009 Beijing JTC 1/SC 25 meetings

The question that INCITS TC T11 recommend that the following person be approved for inclusion on the US delegation to the 2009 Beijing JTC 1/SC 25 meetings:

- David Peterson - US Head of Delegation for WG 4

was a 2/3 majority roll call vote limited to US domiciled members (see 14.2.4). The response to the roll call on the question was as follows:

Company	Representative Type	Representatives	Vote 3
Amphenol	Principal	Gregory McSorley	favor
Avago	Alternate	David Cunningham	favor
Blade	Principal	Tienwei (Tim) Chao	no vote cast
BROADCOM	Alternate	Pat Thaler	favor
Brocade	Alternate	David Peterson	favor
CIENA	Principal	Martin Hunt	favor
Cisco	Alternate	Landon Noll	favor
Corning	Alternate	Steven E. Swanson	favor
Dell	Principal	Gaurav Chawla	favor
EMC	Alternate	David Black	favor
Emulex	Alternate	William R. Martin	favor
ENDL Texas	Principal	Ralph Weber	favor
eSilicon	Principal	Frank Barber	no vote cast
Finisar	Principal	Alex Pavlovsky	no vote cast
Fujitsu	Principal	Mike Fitzpatrick	favor
Hitachi DS	Principal	Eric Hibbard	favor
HP	Alternate	Sean Fitzpatrick	favor
IBM	Alternate	Roger Hathorn	favor
JDS Uniphase	Principal	Dave Lewis	favor
LSI	Alternate	John Lohmeyer	favor
Luxtera	Principal	Tom Palkert	favor
Mellanox	Principal	Diego Crupnicoff	no vote cast
Microsoft	Principal	Robert Griswold	favor
Molex	Principal	Jay Neer	favor
NetApp	Principal	Frederick Knight	favor

<b>Company</b>	<b>Representative Type</b>	<b>Representatives</b>	<b>Vote 3</b>
Panduit	Principal	Robert Elliot	favor
PMC-Sierra	Principal	Brian L'Ecuyer	no vote cast
QLogic	Principal	Craig W. Carlson	favor
Solution Technology	Principal	Robert Kembel	favor
Sun Microsystems	Alternate	Michael Roy	favor
Symantec	Principal	Roger Cummings	favor
Systimax	Principal	Terry Cobb	favor
TrueFocus	Principal	Horst Truedtedt	favor
Tyco Electronics	Principal	Michael Walmsley	no vote cast
VMware	Principal	Lawrence Lamers	favor

## 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 4 June 2009.

Project	Stage	Next step	Next step date	Editor	Chair	Vice-chair
<b>Projects in Development Stage</b>						
FC-DA-2	In dev	To T11.3	10-Dec-09	Peterson	Martin	
FC-FS-3	In dev.	To T11.3	6-Aug-09	Nixon	Martin	
FC-IFR	In dev.	To T11.3	Aug-08	Peterson	Pelissier	
FC-LS-2	In dev.	To T11.3	4-Jun-09	Carlson	Martin	
FC-MSQS	In dev	To T11.2	Jun-09		Wallace	Wallace
FC-PI-5	In dev	T11 LB	Dec-09	Hashemi	Wallace	
FC-SB-4	In dev.	To T11.3	Apr-09	Carlson	Hathorn	
FC-SCM	In dev.	To T11.3	Apr-09	Martin	DeSanti	
FC-SP-2	In dev.	To T11.3	Apr-09	DeSanti	Black	
FC-SW-5	In dev.	To T11.3	Aug-08	Wilson	Carlson	
SM-HBA-2	In dev.	To T11.5	Feb-10	Nixon	Cummings	
<b>Projects in Approval Stage</b>						
FC-BB-5	At T11	res T11 LB cmts	Jun-09	Peterson	DeSanti	
FC-GS-6	At T11	To INCITS	31-Aug-09	Carlson	Nixon	
FC-PI-3	At INCITS	End 1PR	Jun-09	Ghiasi	Wallace	
FC-PI-4	At INCITS	Mgmt Review	Feb-09	Hashemi	Wallace	

### 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 #93, 4 June 2009 in document T11/09-310v0.

### C.2.1 Active T11 SC25 WG4 Projects

JTC1/SC25 Project Number	Document	ISO/IEC # (T11 allocated)	Step	Status
1.25.13.13.18	FC-AV	14165-321	60.00	More comments resolved, nearing completion.
1.25.13.13.25	FC-SW-3	14165-133	40.99	More comments resolved, nearing completion.
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	NWIP approved, need ISO version.
1.25.13.13.19	FC-AE-1553	14165-312	50.20	More comments resolved, nearing completion.
1.25.13.13.48	SM-HBA	14165-512	30.99	More comments resolved, nearing completion.
1.25.13.13.45	FC-BaseT	14165-151	10.99	NWIP approved, need ISO version.
1.25.13.13.30	FC-BB-3	14165-243	10.99	NWIP approved, need ISO version.
1.25.13.13.46	FC-DA	14165-341	40.20	NWIP approved, need ISO version.
1.25.13.13.47	FC-MI-2	14165-372	40.20	NWIP approved, need ISO version.
1.25.13.13.37	FC-PI-2	14165-142	40.20	NWIP approved, need ISO version.
1.25.13.13.44	FCSM	14165-119	10.99	NWIP approved, need ISO version.
1.25.13.13.41	FC-SP	14165-431	40.20	NWIP approved, need ISO version.

### C.2.2 Active SNIA SC25 WG4 Projects

JTC1/SC25 Project Number	Document	ISO/IEC #	Step	Status
1.25.13.21	iSCSI Management API (IMA)	11989	50.99	***Sent the hopefully final DIS to ISO/IEC.
1.25.13.19.01	Storage Management (SM)	24775	60.60	***Vote to Approve today.
1.25.13.22	Server Management Command Line Protocol (SMCLP)	11002	60.60	***Vote to Approve today.

### C.2.3 Active Miscellaneous WG4 Projects

JTC1/SC25 Project Number	Document	ISO/IEC #	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 Number	Document	ISO/IEC #	Step	Status
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