

Draft Minutes
INCITS Fibre Channel (T11) Technical Committee plenary meeting #97
4 February 2010 - 1:30 PM to 4:30 PM CST
San Antonio TX

1 Opening remarks and Introductions

1.1 Introductory Remarks

TC T11 chair Steve Wilson (Brocade) convened plenary meeting #97 of the INCITS Fibre Channel (T11) Technical Committee on Thursday, 4 February 2010 at 1:34 PM CST. He introduced himself, and thanked our hosts, FCIA and Chris Lyon, for the meeting facilities.

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. 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).

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 T11/10-002v2. The chair called for any changes and new agenda items. No changes or new items were requested.

Horst Truedstedt (TrueFocus) moved and Greg McSorley (Amphenol) seconded that T11/10-002v2 as presented 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.

The vice chair encouraged all those present whose organizations are not members of this organization to become members.

3.2 Changes in representation since last meeting

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

- CIENA:
 - > Jim Morin becomes Alternate representative for CIENA.
 - > Martin Hunt remains Principal representative for CIENA.
 - > Sashi Thiagarajan remains Alternate representative for CIENA.
- Cinch:
 - > Merrick Moeller becomes Principal representative for Cinch, replacing Jim McGrath.

- Fujitsu:
 - > Sandy Wilson becomes Principal representative for Fujitsu, replacing Jim DeCaires.
 - > Jim DeCaires becomes Alternate representative for Fujitsu, replacing Sandy Wilson.
 - > Kun Katsumata becomes Alternate representative for Fujitsu.
 - > Osamu Kimura becomes Alternate representative for Fujitsu.
 - > Mark Malcolm becomes Alternate representative for Fujitsu.
 - > Eugene Owens becomes Alternate representative for Fujitsu.
- HEWLETT PACKARD:
 - > Barry Maskas becomes Principal representative for HEWLETT PACKARD, replacing Jieming Zhu.
 - > Bill Kerr becomes Alternate representative for HEWLETT PACKARD.
 - > Sean Fitzpatrick remains Alternate representative for HEWLETT PACKARD.

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 and became an advisory member effective at this meeting:

- Juniper:
 - > Joseph White becomes Principal representative for Juniper.
 - > Simon Gordon becomes Alternate representative for Juniper.
 - > Suresh Boddapat becomes Alternate representative for Juniper.

3.4 Voting memberships in jeopardy for attendance

All representatives of member organizations CIENA, Fujitsu, HP, Panduit, and PMC-Sierra were informed by email and by document T11/10-001v0 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 CIENA was present at this meeting. As a result, the membership of CIENA has been changed from voting to advisory effective at this meeting.
- Representative Sandy Wilson of Fujitsu was present at this meeting. As a result, Fujitsu retains voting membership in this committee.
- Representative Sean Fitzpatrick of HP was present at this meeting. As a result, HP 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.
- No representative of PMC-Sierra was present at this meeting. As a result, the membership of PMC-Sierra has been changed from voting to advisory effective at this meeting.

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

All representatives of member organizations PMC-Sierra and QLogic were informed by email and by document T11/09-608v0 that their organizations were in jeopardy of losing their voting memberships as the result of not meeting the requirements for responsiveness to letter ballots. PMC-Sierra has subsequently lost voting membership by attendance rules.

- QLogic has voted in both of the last two letter ballots. As a result, QLogic retains voting membership in this committee and is no longer in letter ballot jeopardy having responded to two of the last three letter ballots.

All representatives of member organizations Amphenol, BROADCOM, CIENA, LSI, and Luxtera were informed by email and by document T11/10-027v0 that their organizations were in jeopardy of losing their voting memberships as the result of not meeting the requirements for responsiveness to letter ballots. CIENA has subsequently lost voting membership by attendance rules.

- No letter ballot has been held since Amphenol entered jeopardy as the result of not meeting the requirements for responsiveness to letter ballots. As a result, Amphenol retains voting membership in this committee and remains in letter ballot jeopardy.
- No letter ballot has been held since BROADCOM entered jeopardy as the result of not meeting the requirements for responsiveness to letter ballots. As a result, BROADCOM retains voting membership in this committee and remains in letter ballot jeopardy.
- No letter ballot has been held since LSI entered jeopardy as the result of not meeting the requirements for responsiveness to letter ballots. As a result, LSI retains voting membership in this committee and remains in letter ballot jeopardy.
- No letter ballot has been held since Luxtera 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 remains in letter ballot jeopardy.

3.7 Memberships changed for other reasons

3.7.1 Voting memberships changed for other reasons

- Member organization Sun has changed its name to Oracle by acquisition and the membership records are updated accordingly.

3.7.2 Advisory (nonvoting) memberships changed for other reasons

There were no changes in advisory membership for other reasons.

3.8 Membership for this meeting

Technical Committee T11 had 37 voting members at the T11 plenary meeting 10 December 2009. With

- No new voting member organizations (see 3.3.1);
- 2 voting member organizations losing voting membership for not attending the required number of meetings (see 3.4);
- No voting member organizations losing voting membership for not responding to the required number of letter ballots (see 3.6);
- No voting member organizations losing voting membership for other reasons (see 3.7.1); and
- No organizations gaining voting membership for other reasons (see 3.7.1);

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.

3.9 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.

3.10 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 23. 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.

3.11 Call for Guests

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

No person identified himself as a member of an organization that is not a member of T11.

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 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 #96

The prior plenary meeting of the INCITS Fibre Channel (T11) Technical Committee was #96 on 10 December 2009. The draft Minutes of that meeting were posted as document T11/09-696v0.

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) or at the subsequent meeting in person.

No corrections were requested via email.

No corrections were requested at this meeting.

Bob Nixon (Emulex) moved and Landon Noll (Cisco) seconded to accept T11/09-696v0 as posted as the Minutes of T11 meeting #96 on 10 December 2009. The motion passed unanimously.

See action item 10-001.

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.
- 09-001 TG Chairs to update Project Status Sheet.
Overtaken by events.
- 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.
- 09-052 T11 International Representative to notify INCITS that INCITS TC T11 recommends approval of the technical content of ISO/IEC FDIS 14165-133: Information technology - Fibre Channel - Part 133: Switch Fabric - 3 (FC-SW-3).
Completed as of 10/13/2009
- 09-57 T11 secretary to post approved minutes of T11 plenary meeting #95, 8 October 2009.
Completed. See T11/09-598v1.
- 09-58 T11 Chair to forward T11/09-624v1 to INCITS for further processing as the project proposal for FC-GS-7, requesting that the project be assigned to T11.
Completed by email, Wilson (T11) to Bennett (INCITS), 12-15-2009. See T11/09-703v0.
- 09-59 T11 Chair to perform a Letter Ballot for approval of forwarding Revision 1.0 of FC-SCM (T11/09-023v7), Project 1824-DT, to INCITS for first public review.
Completed 011-17-2010. See T11/09-704v0 and online record of letter ballots.
- 09-60 T11 Chair to perform a Letter Ballot for approval of forwarding Revision 1.04 of FC-DA-2 (T11/09-614v0), Project 1870-DT, to INCITS for first public review.
Completed 011-17-2010. See T11/09-705v0 and online record of letter ballots.

- 09-61 T11 Chair to recommend to INCITS that FC-MI-2, FC-AE-RDMA, HIPPI-ST, HIPPI-LE, and HPSI be reaffirmed.
Completed by email, Wilson (T11) to Patrick (INCITS), 12-14-2009. See T11/09-699v0.
- 09-62 T11 chair to create appropriate liaison reports from T11 to other organizations.
Completed. See T11/09-701v0
- 09-63 T11 vice chair to communicate the thanks of the committee to FCIA and to update the meeting calendar to show Reno NV as the meeting venue for the week of 4-8 April 2011, sponsored by FCIA and to show Coeur d'Alene ID as the meeting venue for the week of 6-10 June 2011, sponsored by FCIA.
Completed. See online meeting calendar

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, using the button "Projects".

The chair reminded all TG chairs to assure the project status sheet is maintained to reflect changes in status of their projects.

7.2 FC-GS-7 project authorized

INCITS has authorized FC-GS-7 as project 2204-D, and has assigned it to T11.3.

8 Results of non-ISO Letter Ballots

8.1 FC-DA-2 to INCITS for further processing

The question of forwarding FC-DA-2 to INCITS for further processing (T11/09-705v0) closed on 17 January 2010. It passed 22 Favoring, 1 Opposing, 9 Abstaining, 5 Not Voting. Two of the favoring responses offered comments.

8.2 FC-SCM to INCITS for further processing

The question of forwarding FC-SCM to INCITS for further processing (T11/09-704v0) closed on 17 January 2010. It passed 18 Favoring, 2 Opposing, 12 Abstaining, 5 Not Voting. Four of the favoring responses offered comments.

9 Old Business

No old business was reopened.

10 Task Group T11.2 - Physical Interfaces

10.1 Report to T11 Plenary (T11/10-084v0)

In absence of T11.2 chair Tom Palkert (Luxtera), T11.2 vice-chair Dean Wallace (QLogic) presented the information posted as T11/10-084v0 on activity at T11.2.

10.2 Actions

10.2.1 Request LB for forwarding FC-PI-5

The TG T11.2 vice-chair requested the T11 Chair to perform a Letter Ballot for approval of forwarding Revision 2.0 of FC-PI-5, Project 2118-D, to INCITS for first public review.

The T11 Chair accepted. See action item 10-002.

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 (T11/10-092v0)

Craig Carlson (QLogic) presented the information posted as T11/10-092v0 on activity at T11.3.

11.2 Actions

11.2.1 Forward FC-FS-3 to INCITS for first public review

Avago cast an opposing vote in the letter ballot on forwarding FC-FS-3 to INCITS for first public review.

On behalf of Avago, in consideration of the changes made to FC-FS-3 since the opposing vote was cast, Michael deBie changed the position of Avago to favoring on forwarding FC-FS-3 to INCITS for first public review. This position was confirmed by email to the T11 chair, posted as T11/10-096v0.

Craig Carlson (QLogic) moved and Bill Martin (Emulex) seconded to accept T11/10-013v1 as the resolution of the letter ballot comments on FC-FS-3 and to forward Revision 1.00 of FC-FS-3 (T11/10-010v1), Project 1861-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 21 Favoring, 0 Opposing, 0 Abstaining, 14 Not Voting. The roll call record may be found in annex B.1.

See action item 10-003.

11.3 Other items

No other items were presented for TG T11.3.

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

Status of the Joint T11.2/T11.3 meeting was included in the status report for Task Group T11.2.

13 T11 project activities

13.1 Work Group SM-HBA-2

Dave Peterson presented status on the progress of the SM-HBA-2 work group on storage management application program interfaces, as posted in T11/10-086v0.

Dave Peterson (Brocade) moved and Ralph Weber (ENDL Texas) seconded that T11 instruct the IR to work with the SM-HBA-2 editor to revise ISO SM-HBA to reflect the appropriate parts of T11/ 09-603v1. The motion passed by unanimous voice vote.

14 Review of International Activity

14.1 ISO Status Report (T11/10-007v0)

David Peterson (Brocade) presented the information posted as T11/10-007v0 on project status at ISO (see annex C.2).

14.2 ISO Motions (US roll call votes)

14.2.1 Approve FC-SP First Committee Draft

Dave Peterson (International Representative) moved and Claudio DeSanti (Cisco) seconded that INCITS TC T11 recommends approval of the 1st FCD ISO/IEC 14165-431: Information technology - Fibre Channel - Part 431: Security Protocol (FC-SP). 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 21 Favoring, 0 Opposing, 0 Abstaining, 14 Not Voting. The roll call record may be found in annex B.2.

See action item 10-004.

14.3 Other ISO Action items

No other ISO action items were requested.

15 T11 New Business and New Technical Items

15.1 Honoring Bob Snively

Steve Wilson reminded the membership that a year has passed since the death of former chair Bob Snively. Steve has spoken to Bob's wife, Sandy, to solicit a preferred method by which T11 may commemorate Bob's importance as a leader of this committee and as a friend to each of its people. Sandy Snively preferred that donations be made to Haiti relief in Bob's name.

Steve offered to members who wished to honor that he will compile a summary and a letter to Bob's family. For inclusion in the summary, please send copies of receipts for donations to Steve by the end of this month.

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, and the International Representative emphasized, 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.

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.

17 Liaison Reports

17.1 T11 report (T11/09-701v0), INCITS Liaison, activities other than T11 project status (T11/10-031v0)

Steve Wilson (Brocade) directed the attention of the membership to the information posted as T11/09-701v0 on activity at T11 as reported to other organizations. He presented the information posted as T11/10-031v0 on activity at INCITS other than T11 project status.

17.2 TC T10 (T11/10-021v0)

John Lohmeyer (LSI Logic) presented the information posted as T11/10-021v0 on activity at INCITS Technical Committee T10.

17.3 FCIA (T11/10-091v0)

Skip Jones (QLogic) presented the information posted as T11/10-091v0 on activity at FCIA.

17.4 IEEE 802.1 (T11/10-089v0)

Claudio DeSanti (Cisco) presented the information posted as T11/10-089v0 on activity at IEEE 802.1.

17.5 IEEE 802.3

Adam Healey (LSI) gave a verbal report on activity in IEEE 802.3.

17.6 IETF (T11/10-078v0)

Information posted as T11/10-078v0 on activity at IETF was presented at the plenary meetings of Task Groups today, and was not repeated here.

17.7 INCITS TC CS1 (T11/10-079v0)

Eric Hibbard (HDS) presented the information posted as T11/10-079v0 on activity at INCITS Technical Committee CS1.

17.8 IEEE 1619 (T11/10-073v0)

Landon Noll (Cisco) presented the information posted as T11/10-073v0 on activity at IEEE 1619.

17.9 SNIA and DMTF (T11/10-075v0)

In absense of Denise Ridolfo (NetApp), Steve Wilson (Brocade) presented the information posted as T11/10-075v0 on activity at SNIA and DMTF.

17.10 ISO/IEC JTC1 SC25 WG3 (T11/10-007v0)

Terry Cobb (Systimax) and Doug Coleman (Corning) have posted T11/10-007v0 to inform the membership 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.

17.13 Preparation of new liaison reports

The chair accepted the action to create appropriate liaison reports from T11 to other organizations. See action item 10-005.

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 (T11/10-071v0)

The T11 Webmaster, Roger Cummings (Symantec), has posted T11/10-071v0 on the status of the T11 web site.

Dave Peterson has advised that the T11 web server is being relocated during the week of February 15, and service may be unpredictable during that week.

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 two hours at the T11 plenary week hosted by FCIA in Pasadena CA, 29 March-2 April 2010.

The vice chair will account for this request in the schedule for the T11 plenary week hosted by FCIA in Pasadena CA, 29 March-2 April 2010.

19.2 Request for hosts - 2010-2011

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

Date	Location	Host
Mar 29 - Apr 2, 2010	Pasadena, CA	Chris Lyon
Jun 7-11, 2010	Minneapolis, MN	Chris Lyon
Aug 2-6, 2010	Chicago, IL	Chris Lyon
Oct 18-22, 2010	Bellevue, WA	Robert Griswold
Dec 6-10, 2010	Jacksonville, FL	Chris Lyon
Feb 7-11, 2011	open	Chris Lyon
Apr 4-8, 2011	Reno, CA	Chris Lyon
Jun 6-10, 2011	Coeur d'Alene, ID	Chris Lyon
Aug 1-5, 2011	Edmonton, Alberta	Chris Lyon
Oct 3-7, 2011	Albuquerque, NM	Chris Lyon
Dec 5-9, 2011	(tbd)	(tbd)

19.3 Approval of meeting venues

FCIA has offered to sponsor a plenary meeting week in Edmonton, Alberta, August 1-5 2011.

Skip Jones moved and Claudio DeSanti seconded to accept the offer of FCIA to sponsor a meeting week in Edmonton Alberta August 1-5 2011. In accord with T11 process, this motion requires a 2/3 meeting vote. The motion passed with 19 favoring, 0 opposing, 0 abstainng, 16 not voting.

The membership was advised that due to the closure of the approved venue, the plenary week for February 2011 must be rescheduled. The sponsor has offered a meeting in Reno California in February 2011.

Those present discussed the offer to hold the February 2011 meetings in Reno CA. The dominant opinion was that the winter weather may make travel to that area difficult, and requested the sponsor to consider other possible venues.

See action item 10-006.

19.4 Next meeting information, hosted by FCIA in Pasadena CA, 29 March-2 April 2010

The chair reminded the membership that the next T11 plenary week is hosted by FCIA in Pasadena CA, 29 March-2 April 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).

19.5 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.

19.6 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.

Members reported that they were unable to reserve rooms at the meeting hotel, even though they had attempted to do so during the announced reservation window.

The chair explained that:

- a) Meeting reservation windows are an (optional) element of the contract between the host and the hotel;
- b) Meeting reservation windows are conventionally constrained by a number of rooms for each night, which are in turn conventionally based on past and projected attendance;
- c) Meeting room reservations are often available only via special hotel contacts, hopefully as specified in the meeting announcement; and
- d) Members should treat a reservation window as a service of the host, not a guarantee. RESERVE EARLY!
And attend to the details of the announcement.

19.7 Plenary week meeting map for April 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. He made changes in response to requests from members.

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 #97 is shown in annex A.2. 35 people from 25 member organizations and no nonmember organizations 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.
- 09-009 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.
- 10-001 T11 Secretary to post approved Minutes of T11 meeting #96 as agreed at T11 meeting #97. **See clause 5..**
- 10-002 T11 Chair to perform a Letter Ballot for approval of forwarding Revision 2.0 of FC-PI-5, Project 2118-D, to INCITS for first public review. **See 10.2.1.**
- 10-003 T11 Chair to forward Revision 1.00 of FC-FS-3 (T11/10-010v1), Project 1861-D, to INCITS for further processing including public review. **See 11.2.1.**
- 10-004 T11 International Representative to report appropriately that INCITS TC T11 recommends approval of the 1st FCD ISO/IEC 14165-431: Information technology - Fibre Channel - Part 431: Security Protocol (FC-SP). **See 14.2.1.**
- 10-005 T11 chair to create appropriate liaison reports from T11 to other organizations. **See 17.13.**
- 10-006 T11 chair to request the sponsor to consider an alternative venue in February 2011. **See 19.3.**

22 Adjournment

Jeanne Truestedt (Truestedt) moved and Craig Carlson (QLogic) seconded to adjourn at 3:25 PM CST. 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 #97 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
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
Cinch	Principal	Merrick Moeller
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
Finisar	Principal	Chris Yien
	Alternate	Richard Johnson
Fujitsu	Principal	Sandy Wilson
	Alternate	Eugene Owens
	Alternate	Jim DeCaires
	Alternate	Kun Katsumata
	Alternate	Osamu Kimura
	Alternate	Mark Malcolm
Hitachi DS	Principal	Eric Hibbard
	Alternate	Vincent Franceschini
	Alternate	Gary Pilafas

Organization	Representative Type	Representative
HP	Principal	Barry Maskas
	Alternate	Sean Fitzpatrick
	Alternate	Bill Kerr
IBM	Principal	Scott Carlson
	Alternate	Roger Hathorn
	Alternate	Louis Ricci
JDS Uniphase	Principal	Dave Lewis
	Alternate	Scott Baxter
	Alternate	Tim Beyers
	Alternate	Paul Gentieu
	Alternate	Jason Rusch
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	Robert Griswold
	Alternate	Mark Benedikt
	Alternate	Calvin Chen
Molex	Principal	Jay Neer
NetApp	Principal	Frederick Knight
	Alternate	Denise Ridolfo
Opnext	Principal	Jon Anderson
	Alternate	Josef Berger

Organization	Representative Type	Representative
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
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 Truedstedt
	Alternate	Jeanne Truedstedt
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 #97 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
	Alternate	Jim Morin
Crossroads Systems	Principal	Bill Moody
Dot Hill	Principal	Elizabeth G. Rodriguez
	Alternate	Ian Davies
DSI A*STAR	Principal	Khin Mi Mi Aung
eSilicon	Principal	Frank Barber
	Alternate	Rakesh Chadha
FCI	Principal	Doug Wagner
	Alternate	David Sideck
Juniper	Principal	Simon Gordon
	Alternate	Joseph White
	Alternate	Suresh Boddapat
Liberty Intl	Principal	Phil Zuniga
PMC-Sierra	Principal	Brian L'Ecuyer
Seagate	Principal	Allen Kramer
	Alternate	James Coomes
	Alternate	Martin Czekalski
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 #97 of the INCITS Fibre Channel (T11) Technical Committee:

Organization	Representative
AMPHENOL INTERCONNECT	Gregory McSorley
AVAGO TECHNOLOGIES	Michael deBie
BROCADE	David Peterson
BROCADE	Steven L. Wilson
CISCO SYSTEMS	Landon Noll
CISCO SYSTEMS, INC.	Claudio DeSanti
DELL	Gaurav Chawla
EMC	David Black
EMC	Erik Smith
EMC	Gary S. Robinson
EMULEX	Bob Nixon
EMULEX	William R. Martin
ENDL TEXAS	Ralph Weber
ESILICON CORPORATION	Frank Barber
FINISAR CORPORATION	Richard Johnson
FUJITSU AMERICA, INC.	Sandy Wilson
HEWLETT PACKARD	Sean Fitzpatrick
HITACHI DATA SYSTEMS	Eric Hibbard
IBM	Louis Ricci
IBM	Roger Hathorn
IBM	Scott Carlson
JDSU	Dave Lewis
JDSU	Jason Rusch
LSI CORP.	Adam Healey
LSI CORP.	John Lohmeyer

Organization	Representative
MELLANOX TECHNOLOGIES	Diego Crupnicoff
MICROSOFT CORPORATION	Robert Griswold
MOLEX	Jay Neer
NETAPP	Frederick Knight
PANDUIT CORPORATION	Robert Elliot
QLOGIC CORP.	Craig W. Carlson
SOLUTION TECHNOLOGY	Robert Kembel
SUN MICROSYSTEMS	Roger Dickerson
TRUE FOCUS, INC	Horst Truestedt
TRUE FOCUS, INC	Jeanne Truestedt

A.2.2 Nonmember organizations

No representatives of nonmember organizations were recorded in the online attendance registry as attending plenary meeting #97 of the INCITS Fibre Channel (T11) Technical Committee.

Annex B Roll Call Vote Tallies

B.1 Forward FC-FS-3 to INCITS for first public review

The question to accept T11/10-013v1 as the resolution of the letter ballot comments on FC-FS-3 and to forward Revision 1.00 of FC-FS-3 (T11/10-010v1), Project 1861-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	Representative	Vote
Agilent	P	Joachim Vobis	nv
Amphenol	P	Gregory McSorley	y
Avago	A	Michael deBie	y
Blade	P	Tienwei (Tim) Chao	nv
BROADCOM	P	Ali Ghiasi	nv
Brocade	A	David Peterson	y
Cinch	P	Merrick Moeller	nv
Cisco	P	Claudio DeSanti	y
Corning	P	Doug Coleman	nv
Dell	P	Gaurav Chawla	nv
EMC	A	David Black	y
Emulex	A	William R. Martin	y
ENDL Texas	P	Ralph Weber	y
Finisar	A	Richard Johnson	y
Fujitsu	P	Sandy Wilson	y
Hitachi DS	P	Eric Hibbard	y
HP	A	Sean Fitzpatrick	y
IBM	P	Scott Carlson	y
JDS Uniphase	A	Jason Rusch	y
LSI	A	Adam Healey	y
Luxtera	P	Tom Palkert	nv
Mellanox	P	Diego Crupnicoff	nv
Microsoft	A	Robert Griswold	y
Molex	P	Jay Neer	nv

Organization	Representative type	Representative	Vote
NetApp	P	Frederick Knight	y
Opnext	P	Jon Anderson	nv
Oracle	P	Roger Dickerson	y
Panduit	P	Robert Elliot	y
QLogic	P	Craig W. Carlson	y
Solution Technology	P	Robert Kembel	y
Symantec	P	Roger Cummings	nv
Systimax	P	Terry Cobb	nv
TrueFocus	P	Horst Truedstedt	y
Tyco Electronics	P	Michael Walmsley	nv
VMware	P	Lawrence Lamers	nv

B.2 Approve FC-SP First Committee Draft

The question that INCITS TC T11 recommends approval of the 1st FCD ISO/IEC 14165-431: Information technology - Fibre Channel - Part 431: Security Protocol (FC-SP) (see 14.2.1) was a 2/3 majority roll call vote, as determined by roll call limited to U.S. domiciled members. 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	Representative	Vote
Agilent	P	Joachim Vobis	nv
Amphenol	P	Gregory McSorley	y
Avago	A	Michael deBie	y
Blade	P	Tienwei (Tim) Chao	nv
BROADCOM	P	Ali Ghiasi	nv
Brocade	A	David Peterson	y
Cinch	P	Merrick Moeller	nv
Cisco	A	Landon Noll	y
Corning	P	Doug Coleman	nv
Dell	P	Gaurav Chawla	nv
EMC	A	David Black	y

Organization	Representative type	Representative	Vote
Emulex	A	William R. Martin	y
ENDL Texas	P	Ralph Weber	y
Finisar	A	Richard Johnson	y
Fujitsu	P	Sandy Wilson	y
Hitachi DS	P	Eric Hibbard	y
HP	A	Sean Fitzpatrick	y
IBM	P	Scott Carlson	y
JDS Uniphase	A	Jason Rusch	y
LSI	A	John Lohmeyer	y
Luxtera	P	Tom Palkert	nv
Mellanox	P	Diego Crupnicoff	nv
Microsoft	A	Robert Griswold	y
Molex	P	Jay Neer	y
NetApp	P	Frederick Knight	y
Opnext	P	Jon Anderson	nv
Oracle	P	Roger Dickerson	y
Panduit	P	Robert Elliot	y
QLogic	P	Craig W. Carlson	y
Solution Technology	P	Robert Kembel	nv
Symantec	P	Roger Cummings	nv
Systemax	P	Terry Cobb	nv
TrueFocus	A	Jeanne Truedtedt	y
Tyco Electronics	P	Michael Walmsley	nv
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 4 February 2010.

Standard	Status	Action	Target or Reaffirm Date	Editor	Ad Hoc Chair
Projects in Development Stage					
FC-BB-6	In dev.	To T11.3	Jun-11	Peterson	DeSanti
FC-GS-7	in Dev.	T11 LB to fwd	25-Feb-11	Carlson	Nixon
FC-IFR	In dev.	To T11.3	Aug-08	Peterson	Pelissier
FC-MSQS	In dev	To T11.2	Jun-09	Johnson	Wallace
FC-PI-5	In dev	To T11.2	Dec-09	Hashemi	Wallace
FC-SP-2	In dev.	To T11.3	Oct-10	DeSanti	Noll
SM-HBA-2	In dev.	To T11	Feb-10	Nixon	Peterson
Projects in Approval Stage					
FC-BB-5	At INCITS	End 1PR	Aug-09	Peterson	DeSanti
FC-DA-2	At T11	res T11 LB cmts	Aug-10	Peterson	Martin
FC-FS-3	At T11	res T11 LB cmts	Feb-10	Nixon	Martin
FC-GS-6	At INCITS	Publication	30-Apr-10	Carlson	Nixon
FC-LS-2	At T11	res T11 LB cmts	Apr-10	Carlson	Martin
FC-PI-3	At INCITS	End 1PR	Jun-09	Ghiasi	Wallace
FC-SB-4	At T11	res T11 LB cmts	Oct-09	Carlson	Hathorn
FC-SCM	At T11	res T11 LB cmts	Jun-10	Martin	DeSanti
FC-SW-5	At INCITS	End 1PR	Aug-09	Wilson	Carlson

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 #97, 4 February 2010 in document T11/10-007v0.

C.2.1 Active T11 SC25 WG4 Projects

JTC1/SC25 Project Num	Document	ISO/IEC # (T11 allocated)	Step	Status
1.25.13.13.25	FC-SW-3	14165-133	50.60	FDIS approved, will be published soon.
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.
1.25.13.13.48	SM-HBA	14165-512	40.99	FCD approved.
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	Vote on 1st FCD today.
1.25.13.13.X	FC-SW-5	14165-135	00.00	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.

C.2.2 Active SNIA SC25 WG4 Projects

TC1/SC25 Project Num	Document	ISO/IEC # (T11 allocated)	Step	Status
1.25.13.21	iSCSI Management API (IMA)	11989	50.99	Final DIS to ISO/IEC.
1.25.13.19.01	Storage Management (SM)	24775	50.20	Should be published soon.
1.25.13.22	Server Management Command Line Protocol (SMCLP)	13187	40.99	Should be published soon.

C.2.3 Active Miscellaneous WG4 Projects

TC1/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

TC1/SC25 Project Num	Document	ISO/IEC # (T11 allocated)	Step	Status
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