

Draft Minutes
INCITS Fibre Channel (T11) Technical Committee meeting #80
5 April 2007 - 3 PM to 6 PM PDT
San Diego CA

1 Opening remarks and Introductions

1.1 Introductory Remarks

The T11 Chair convened meeting #80 of the INCITS Fibre Channel (T11) Technical Committee on Thursday, 5 April 2007 at 3:05 PM PDT. He introduced himself as Bob Snively, and thanked Brocade for the meeting facilities.

1.2 Procedure

1.2.1 Patent information

The T11 Chair indicated that among the rules and policies under which T11 operates are the INCITS intellectual property policies. He requested persons wishing to make statements relevant to this policy to do so at the call for patents later in this meeting. A record of that call may be found in clause 16.

1.2.2 Anti-trust guidelines

The T11 Chair indicated that among the rules and policies under which T11 operates are the INCITS Antitrust Guidelines. Any member of 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. The INCITS Antitrust Guidelines are available at <http://www.incits.org/inatrust.htm>

1.3 Attendance

The T11 Chair instructed those present how to register using the electronic attendance list for this meeting. He reminded those present that the electronic attendance list would become the only source of attendance for formal records of this meeting.

1.4 Self-introductions

Claudio DeSanti (Cisco) introduced himself as Vice-chair and Bob Nixon (Emulex) introduced himself as Secretary. Members introduced themselves.

2 Approval of the Agenda

An electronic version of the agenda was made available as T11/07-139v3 among the documents for this meeting. The agenda was in HTML format with links to the appropriate supporting documents. The T11 Chair presented the agenda and made a call for any new agenda items. No new items were requested.

Schelto Van Doorn (Intel) moved and Horst Truedtedt (TrueFocus) seconded that T11/07-139v3 be approved as posted as the agenda for this meeting. The motion passed unanimously.

3 Attendance and Membership

3.1 Membership policy

The T11 Chair encouraged those nonmembers who attend T11 meetings regularly or intend to attend T11 meetings regularly to join the organization.

Information on how membership is gained, maintained, and lost in any INCITS Technical Committee or Task Group may be found at www.incits.org/rd2/main.htm. An overview of these requirements was introduced by the T11 Chair and was available to all attendees in the electronically distributed meeting documents.

The T11 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:

- Advisory member 3Leaf:
 - > Rob Reiner becomes Principal representative for 3Leaf, replacing Seth Cohen.
 - > Rohit Jnagal is no longer Alternate representative for 3Leaf.
- HEWLETT PACKARD:
 - > Sean Fitzpatrick becomes Alternate representative for HEWLETT PACKARD.
 - > Don Fraser remains Principal representative for HEWLETT PACKARD.
- Advisory member Nuova (became voting below):
 - > Silvano Gai remains Principal representative for Nuova.
 - > Luca Cafiero becomes Alternate representative for Nuova.
- PMC-SIERRA:
 - > Rick Hernandez becomes Alternate representative for PMC-SIERRA, replacing Brett Clark.
 - > Roy Elsbernd remains Principal representative for PMC-SIERRA.
- LSI Corporation is the new name for the member organization formerly known as LSI Logic.

3.3 New memberships

3.3.1 New voting memberships

The following organizations have met the prerequisites for membership and became voting members effective at this meeting:

- Nuova.

- > Silvano Gai becomes Principal representative for Nuova.
- > Luca Cafiero becomes Alternate representative for Nuova.

3.3.2 New advisory (nonvoting) memberships

The following organizations have requested advisory membership and became advisory members effective at this meeting:

- VOLEX:
 - > Atul Sharma becomes Principal representative for VOLEX.
 - > Tony Chew becomes Alternate representative for VOLEX.
- NTT ELECTRONICS:
 - > Jwo Cheng becomes Principal representative for NTT ELECTRONICS.
 - > Kaz Kitagawa becomes Alternate representative for NTT ELECTRONICS.

3.4 Voting memberships in jeopardy for attendance

All representatives of member organizations eSilicon, Lightsand, and PacketLight were informed by email and by document T11/07-138v0 that their organization was in jeopardy of losing its voting membership as the result of not attending the required number of committee meetings.

- Representative Frank Barber of eSilicon was present at this meeting. As a result, eSilicon retains voting membership in this committee.
- Representative Alex Goral of Lightsand was present at this meeting. As a result, Lightsand retains voting membership in this committee.
- Representative Oded David of PacketLight was present at this meeting. As a result, PacketLight retains voting membership in this committee.

3.5 Voting memberships in jeopardy for letter ballot performance

All representatives of member organizations FSI and Alcatel-Lucent were informed by email and by document T11/07-140v0 that their organization was in jeopardy of losing its voting membership as the result of not meeting the requirements for responsiveness to letter ballots.

- FSI has voted in a letter ballot since it entered jeopardy as the result of not meeting the requirements for responsiveness to letter ballots. As a result, FSI retains voting membership in this committee.
- Alcatel-Lucent has voted in a letter ballot since it entered jeopardy as the result of not meeting the requirements for responsiveness to letter ballots. As a result, Alcatel-Lucent retains voting membership in this committee.

3.6 Memberships changed for other reasons

3.6.1 Voting memberships changed for other reasons

- Member organization Agere has been acquired by member organization LSI Corporation effective April 2, 2007. Voting membership of Agere is terminated accordingly.

3.6.2 Voting and advisory memberships in jeopardy for payment of fees

All representatives of several member organizations were notified by email and by document T11/07-043v0 that their organization had not paid annual fees as required by INCITS. Several notified organizations have since then paid annual fees as required by INCITS and so retain membership in T11. Several other notified organizations have contacted INCITS and/or the T11 Chair and indicated intention to pay annual fees as required by INCITS and

so their membership will be terminated if they have not paid annual fees as required by INCITS before the next T11 plenary meeting, in June 2007. The remaining organizations, listed here, have neither paid annual fees as required by INCITS nor indicated intention to pay annual fees as required by INCITS:

- Advisory member organization DDC has failed to pay annual fees as required by INCITS. Advisory membership of DDC has been terminated accordingly.
- Advisory member organization Fujitsu Takamisawa has failed to pay annual fees as required by INCITS. Advisory membership of Fujitsu Takamisawa has been terminated accordingly.
- Advisory member organization General Dynamics has failed to pay annual fees as required by INCITS. Advisory membership of General Dynamics has been terminated accordingly.
- Advisory member organization Google has failed to pay annual fees as required by INCITS. Advisory membership of Google has been terminated accordingly.
- Advisory member organization Neophotonics has failed to pay annual fees as required by INCITS. Advisory membership of Neophotonics has been terminated accordingly.
- Advisory member organization Phyworks has failed to pay annual fees as required by INCITS. Advisory membership of Phyworks has been terminated accordingly.
- Advisory member organization Samsung has failed to pay annual fees as required by INCITS. Advisory membership of Samsung has been terminated accordingly.

3.7 Membership for this meeting

Technical Committee T11 had 46 voting members at the T11 plenary meeting 8 February 2007. With

- > One new voting member organizations (see 3.3.1); and
- > One voting member organization losing voting membership for other reasons (see 3.6.1);

the voting membership of T11 has remained 46 effective at this meeting.

Reflecting the above changes, the voting membership of T11 for this meeting is recorded in annex A.1.1.

Reflecting the above changes, the advisory (i.e., nonvoting) membership of T11 for this meeting is recorded in annex A.1.2.

4 Document Distribution

The T11 Chair instructed 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>).

5 Approval of Minutes - Meeting #79

The prior plenary meeting of the INCITS Fibre Channel (T11) Technical Committee was #79 on 8 February 2007. The draft minutes of that meeting were posted as document T11/07-144v0.

T11 minutes review is done by reviewing the version that is posted on the web site and requesting corrections either before the subsequent meeting by email request to the T11 secretary (bob.nixon@emulex.com) or at the subsequent meeting in person.

A request was received via email to correct the motion in subclause 11.3.1 and AI 07-004 in clause 20 to reflect further processing "as a technical report" rather than "including public review".

A request was received from the T11 Chair to add an action item as follows to the minutes to reflect our acceptance of liaison for UPnP:

IR to solicit and collect any comments on UPnP and forward them to the US National Body (comments required by 3 May, 2007).

No corrections were requested at this meeting.

Roger Cummings (Symantec) moved and ScheltoVan Doorn (Intel) seconded to accept T11/07-144v0 as modified at this meeting as the minutes of T11 meeting #79 on 8 February 2007. The motion passed unanimously.

See action item 07-019.

6 Review of Old Action Items

- 05-050 T11 Chair to send E-mail to Intel, Microsoft, Compaq/HP to solicit letters licensing publication of FC-VI, Oct. 5, 2005.
- Microsoft has granted a license. See T11/05-822v0.
 - HP (Compaq) has granted a license. See T11/06-390v0
 - Intel has granted a license. See T11/07-157v0.
 - Chair posted FC-VI specifications as references for FC-VI (See T11/07-158, T11/07-159, and T11/07-160.)
 - Chair informed IR that FC-VI documents now posted.
 - Completed.
- 06-041 T11 Chair to send letter to appropriate party in IEEE 802.3 to inform them of the formal relationship of Adam Healey as Liaison between IEEE 802.3 and T11.
- E-mail sent to Bob Grow, August 7, 2006.
 - IEEE believes it is done, T11 Chair will ask for clarification.
 - In process.
- 06-061 Claudio Desanti to prepare a new draft of the document on mechanisms for indicating when new standards replace old.
- In process.
- 06-077 Dave Peterson to forward INCITS 412-2006 Standard for Multi-path Management API to INCITS for fast track processing.
- Completed.
- 06-088 T11 Chair to propose means to make information and process for potential members clearly visible from the T11 home pages.
- In process.
- 06-089 T11 Chair to send a letter of appreciation to Bill Ham for his many years of enthusiastic support, valued advice, and dedicated service.
- Completed.
- 07-001 T11 Secretary to revise and post approved minutes of T11 meeting #78 as agreed at T11 meeting #79.
- Completed. See T11/07-141v0.
- 07-002 TG Chairs to update Project Status Sheet.
- Ongoing.
- 07-003 T11 Chair to place forwarding of FC-FS-3 project plan in the agenda for the April 2007 T11 plenary meeting.
- Completed. See T11/07-139v0.
- 07-004 T11 Chair to forward Revision 0.95 of FC-AE-1553 (T11/06-229v7), Project 1648-DT, to INCITS for further processing as a technical report.
- Completed. See T11/07-151v0.

- 07-005 T11 Chair to forward Revision 1.0 of FC-BaseT (T11/07-018v1), Project 1795-D, to INCITS for further processing including public review.
- Completed. See T11/07-150v0.
- 07-006 T11 Chair to forward Revision 1.03 of FC-SB-3, Amendment 1 (T11/07-020v1), Project 1569-D, to INCITS for further processing including public review.
- Completed. See T11/07-152v0.
- 07-007 T11 Chair to forward Revision 0.20 of 10GFC Amendment 1 (T11/07-026v0), Project 1413-D, to INCITS for further processing including public review.
- Completed. See T11/07-153v0.
- 07-008 T11 Chair to perform a Letter Ballot for approval of forwarding Revision 1.6 of FC-SATA (T11/07-019v1), Project 1786-D, to INCITS for first public review.
- Completed. See T11/07-147v0.
- 07-009 T11 Chair to perform a Letter Ballot for approval of forwarding Revision 2.3 of FC-BB-4 (T11/07-064v3), Project 1796-D, to INCITS for first public review.
- Completed. See T11/07-148v0.
- 07-010 T11 Chair to remove FC-FS-2 amendment 1 from the agenda.
- Completed. See T11/07-139v0.
- 07-011 T11 Chair to perform a Letter Ballot for approval of contributing Revision 01 of SM-SPM (T11/07-037v1) to IETF IMSS for further development and IETF standardization.
- Completed. See T11/07-149v0.
- 07-012 T11 Chair to notify INCITS of approval the proposed INCITS fasttrack project entitled Server Management Command Line Protocol (SM CLP) Specification and approve the requested liaison of T11 with DMTF with respect to SM CLP.
- Completed. See T11/07-146v0.
- 07-013 T11.5 Chair to create a project on the T11 web site for SM CLP liaison.
- Completed.
- 07-014 Dave Peterson (Brocade) to forward document T11/07-081v0 to INCITS as a recommendation from T11 for actions at ISO.
- Completed.
- 07-015 T11 Chair to respond to the IDSP survey indicating that T11 standards FC-SP and FC-SP-2 may be relevant to their program.
- Completed. See T11/07-154v0.
- 07-016 T11 Webmaster to create a public form reporting if and when a member organization has voted on a letter ballot.
- Completed. Ready for testing.
- 07-017 T11 Chair to generate appropriate Liaison reports.
- Completed. See T11/07-165v0 and T11/07-205v0.

07-018 IR to solicit and collect any comments on UPnP and forward them to the US National Body (comments required by 3 May, 2007)

- In process.

7 Review of T11 Project and Proposal Status

7.1 Project status review

The T11 Project status sheet was displayed. It can be viewed at www.t11.org, using the button "Projects". A copy has been attached as annex C.1.

The T11 Chair reminded all TG chairs to assure the project status sheet is maintained to reflect changes in status of their projects.

7.2 INCITS project status report (T11/007-205v0)

Bob Snively (Brocade) reviewed T11 project status at INCITS, posted as T11/007-205v0.

8 Results of non-ISO Letter Ballots

8.1 FC-SATA to INCITS for further processing

The question of forwarding FC-SATA (T11/07-019v1) to INCITS for further processing passed 31 Favoring, 0 Opposing, 10 Abstaining, 2 Not Voting. 2 favoring responses offered comments.

8.2 FC-BB-4 to INCITS for further processing

The question of forwarding FC-BB-4 (T11/07-064v3) to INCITS for further processing passed 30 Favoring, 5 Opposing, 8 Abstaining, 3 Not Voting. 3 favoring responses offered comments.

8.3 SM-SPM to INCITS for further processing

The question of forwarding SM-SPM (T11/07-037v1) to INCITS for further processing passed 35 Favoring, 0 Opposing, 10 Abstaining, 1 Not Voting. 1 favoring response offered comments.

9 Old Business

9.1 Consider mechanisms for indicating when new standards replace old.

The current status of this issue is that dependency information is being studied, and Claudio DeSanti is acting as editor.

9.2 Nomination of Bill Ham as T11 Emeritus Member (T11/07-170v0)

The T11 Chair described the newly established Emeritus Membership program at INCITS. He then presented a draft letter to nominate Bill Ham as an Emeritus Member of T11 (T11/07-170v0).

Bob Snively (Brocade) moved and John Lohmeyer (LSI) seconded to recommend to the INCITS Executive Board that Dr. Bill Ham be appointed an Emeritus Member of T11 and its task groups according to INCITS RD-2, clause

4.2.3.3.4. This question requires approval by a simple majority of the membership as determined by meeting vote. The motion passed unanimously.

See action item 07-020.

10 Task Group T11.2 - Physical Interfaces

10.1 Report to T11 Plenary (T11/07-264v0)

Schelto Van Doorn (Intel) presented the information on activity at T11.2, posted as T11/07-264v0.

10.2 Proposals for new projects

No new projects were requested by Task Group T11.2.

10.3 Other actions

10.3.1 Forward FCSM-2 to INCITS as Technical Report (2/3 roll call)

Picolight and Xyratex cast opposing votes in the letter ballot on forwarding FCSM-2 to INCITS as a Technical Report.

In an email to the T11 Chair on behalf of Picolight, in consideration of the changes made to FCSM-2 since the opposing vote was cast, Mike Dudek changed the position of Picolight on forwarding FCSM-2 to INCITS for first public review to favoring.

In an email to the T11 Chair on behalf of Xyratex, in consideration of the changes made to FCSM-2 since the opposing vote was cast, Paul Levin changed the position of Xyratex on forwarding FCSM-2 to INCITS for first public review to favoring.

Schelto Van Doorn (Intel) moved and Horst Truedstedt (TrueFocus) seconded to accept T11/07-177v0 as the resolution of the letter ballot comments on FCSM-2 and to forward Revision 5 of FCSM-2 (T11/07-176v0), Project 1626-DT, to INCITS for further processing as a technical report. This question requires approval by a 2/3 majority of the membership as determined by roll call. The motion passed 32 Favoring, 0 Opposing, 0 Abstaining, 14 Not Voting. The roll call record may be found in annex B.1.

See action item 07-021.

10.4 Other items

No other items for Task Group T11.2 were presented.

11 Task Group T11.3 - Interconnection Schemes

11.1 Report to T11 Plenary (T11/07-265v0)

Craig Carlson (QLogic) presented the information on activity at T11.3 posted as T11/07-265v0.

11.2 Proposals for new projects

11.2.1 Proposal for new project FC-FS-3 (T11/07-034v1)

Craig Carlson (QLogic) moved and Bill Martin (Emulex) seconded to approve the project proposal for FC-FS-3 (T11/07-034v1) and to forward the project proposal for FC-FS-3 (T11/07-034v1) to INCITS for further processing. This requires a 2/3 meeting vote. The motion passed 31 Favoring, 0 Opposing, 0 Abstaining, 15 Not Voting.

See action item 07-022.

11.2.2 Proposal for new project FC-DA-2 (T11/07-187v1)

The project proposal for FC-DA-2 was posted an insufficient time before this plenary meeting. Consideration of forwarding is deferred until the next T11 plenary meeting.

See action item 07-023.

11.3 Other actions

11.3.1 Forward FC-SATA to INCITS for 1st PR (2/3 roll call)

No organizations cast opposing votes in the letter ballot on forwarding FC-SATA to INCITS for first public review.

Craig Carlson (QLogic) moved and Dave Peterson (Brocade) seconded to accept T11/07-209v1 as the resolution of the letter ballot comments on FC-SATA and to forward revision 1.7 of FC-SATA (T11/07-019v2), Project T11/1786-D, to INCITS for further processing including public review. This question requires approval by a 2/3 majority of the membership as determined by roll call. The motion passed 32 Favoring, 0 Opposing, 0 Abstaining, 14 Not Voting. The roll call record may be found in annex B.2.

See action item 07-024.

The International Representative asked the Technical Committee to determine if there was interest in pursuing international standardization of FC-SATA. See action item 07-025.

11.4 Other items

No other items for Task Group T11.3 were presented.

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

12.1 INCITS Registry for Auto-Negotiation Selector Field to identify FC-BaseT (Tutorial)

No new status was presented concerning an INCITS Registry for Auto-Negotiation Selector Field to identify FC-BaseT.

13 Task Group T11.5 - Storage Network Management

13.1 Report to T11 Plenary (T11/07-263v0)

Roger Cummings (Symantec) presented the information on activity at T11.5 posted as T11/07-263v0.

13.2 Proposals for new projects

No new projects were requested for Task Group T11.5.

13.3 Other actions

No other actions were requested for Task Group T11.5.

13.4 SM-SPM, approve comment resolution and forward to IETF (2/3 roll call)

The Task Group requested that this action be deferred pending further preparation at IETF.

See action item 07-026.

13.5 Other items

13.5.1 Request LB for forwarding SNPing (T11/07-116v1)

Roger Cummings requested the T11 Chair to perform a Letter Ballot for approval of forwarding Revision 0.5 of SNPing (T11/07-116v1), Project 1785-D, to INCITS for first public review.

The T11 Chair accepted. See action item 07-027.

14 Review of International Activity

14.1 ISO Status Report (T11/07-221v0)

David Peterson (Brocade) presented the information on project status at ISO posted as T11/07-221v0.

14.2 Other ISO Motions and Actions (US roll call votes)

There were no other ISO motions or actions presented.

14.3 Other ISO Action items

14.3.1 Action 1: Provide appropriate patent declarations as requested (T11/05-805v0)

ISO process and format for submitting patent declarations concerning ISO projects is provided in T11/05-805v0.

14.4 ISO Guide (11/06-317v0)

Gary Robinson has provided a guide to the relationships of T11 to the ISO organization, posted as 11/06-317v0.

14.5 ISO Numbering (T11/06-392v1)

The most recent posting of ISO project numbers for projects contributed by T11 and its predecessor organizations is T11/06-392v1.

15 T11 New Business and New Technical Items

No new business or new technical items for Technical Committee T11 were presented.

16 Call for Patents

16.1 Patent information

The T11 Chair indicated that the forms, instructions, and current record of responses to prior calls for patents can be found in T11/06-739v0.

16.2 ANSI patent policy

The T11 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 subclause 8.4 of RD-1, "Policies and Guidelines", available at <http://www.incits.org/rd1/rd1.htm#p8-4>.

16.3 Call for patents

In accordance with the INCITS patent policies and guidelines, the T11 Chair made a call for patents that related to the standards being developed by this task group.

16.3.1 Nortel patent declaration on FC-BB-4 (T11/07-182v0)

The T11 Chair announced that Nortel has submitted a response to the call for patents declaring possible intellectual property in FC-BB-4. An electronic copy has been posted as T11/07-182v0.

17 Liaison Reports

17.1 INCITS Liaison, activities other than T11 project status (T11/07-238v0)

Bob Snively (Brocade) presented the information on activity at INCITS posted as T11/07-238v0. He directed the attention of affected members to the following supplementary documents:

- a) Approve SM-CLP Fast Track project from DMTF (T11/07-146v0)
- b) Approved Project Proposal, Liaison project SM CLP, Project 1859 (in070289)
- c) Modify voting rules tables (in070037)
- d) Clarify and refine INCITS fast track process (in061383)

A member pointed out that the dates of the JTC1/SC25 meetings in this report are inconsistent with the JTC1/SC25 web site, which announces them as September 10-14.

17.2 TC T10 (T11/07-185v0)

John Lohmeyer (LSI Logic) presented the information on activity at INCITS Technical Committee T10 posted as T11/07-185v0.

17.3 FCIA (T11/07-270v0)

Bob Snively (Brocade) presented the information on activity at FCIA posted as T11/07-270v0.

17.4 IEEE 802 (T11/07-257v0)

A report on activity at IEEE 802 was presented at the T11.2 plenary meeting. It was not repeated at this meeting.

17.5 IETF (T11/07-262v0)

David Black (EMC) provided the information on activity at IETF posted as T11/07-262v0 at the plenary meetings of Task Groups T11.3 and T11.5 today. It was not repeated at this meeting.

17.6 INCITS TC CS1 (T11/07-266v0)

Eric Hibbard (HDS) provided the information on activity at INCITS Technical Committee CS1 posted as T11/07-266v0. It was presented in his behalf by the T11 Chair.

17.7 IEEE 1619 (T11/07-266v0)

Eric Hibbard (HDS) provided the information on activity at IEEE 1619 posted as T11/07-266v0. It was presented in his behalf by the T11 Chair.

17.8 Preparation of new liaison reports

The T11 Chair accepted the action to create appropriate liaison reports from T11 to other organizations. See action item 07-028.

18 Administrative Matters

18.1 Officer Appointments

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

T11 Chair	Robert Snively
T11 International Representative	Gary Robinson
T11 Secretary	Bob Nixon
T11 Vice-Chair	Claudio DeSanti
T11.2 Chair	Tom Palkert
T11.2 Secretary	Mark Marlett
T11.2 Vice-Chair	Dean Wallace
T11.3 Chair	Craig Carlson
T11.3 Secretary	Scott Kipp
T11.3 Vice-Chair	William Martin
T11.5 Chair	Roger Cummings
T11.5 Clerk	Ralph Weber
T11.5 Vice-Chair	Scott Kipp

18.2 T11 Information Technology

18.2.1 Web site status (T11/07-245v0)

The T11 Webmaster, Roger Cummings (Symantec), presented the information on the status of the T11 web site posted as T11/07-245v0.

18.3 Other matters

18.3.1 Review of T10 and T11 document templates

The review of T10 and T11 document templates has been deferred.

ANSI has established that it will accept standards prepared to the ISO guidelines. ISO has provided a directory of rules and tools for writers of international standards. Starting at

<http://isotc.iso.org/isotcportal/index.html>

under topic "STANDARDS DEVELOPMENT" follow the link to "Writing Standards". Of particular interest to the members of this technical committee may be the ISO/IEC Directives Part 2 and ISO Templates for drafting standards.

18.3.2 Editors

The T11 Chair reminded Task Group chairs and editors that he will not execute letter ballots or forwarding actions unless the editor has archived source in the special secret editor's file.

18.3.3 Faciliators

The T11 Chair reminded work group chairs to use the correct report forms to assure that chairs and secretaries receive timely copies of your report.

19 Future Meeting Schedule

19.1 Plenary week meeting map for June 2007 T11 meetings

The T11 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.

The T11.5 chair requested to indicate a fixed starting time for the T11.5 Mgmt/API meeting, rather than starting it at the conclusion of the prior event.

The T11 Chair requested to add the T11 officers' meeting at noon on Tuesday.

19.2 Authorization of adhoc meetings

The T11 Chair advised that authorization of Ad Hoc meetings is delegated to the appropriate TG, if any. There were no exceptions at this meeting. He 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.

19.3 Request for hosts - 2006-2008

The T11 Chair announced the following schedule for future meetings, and solicited volunteers for those dates that are not yet hosted.

Date	Location	Host
Jun 4-8, 2007	Bloomington, MN	Horst Truedtedt
Aug 6-10, 2007	Seattle, WA	Bob Nixon
Oct 8-12, 2007	Coeur d' Alene, ID	Chris Lyon
Dec 3-7, 2007	Orlando, FL	Roger Cummings
Feb 4-8, 2008	(tbd)	(tbd)
Apr 7-11, 2008	(tbd)	Robert Snively
Jun 2-6, 2008	(tbd)	Chris Lyon
Aug 4-8, 2008	Seattle, WA	Robert Griswold
Oct 6-10, 2008	(tbd)	(tbd)
Dec 8-12, 2008	(tbd)	(tbd)

19.3.1 Proposed 2009 meeting dates, to be approved in June, 2007

The T11 Vicechair presented the following tentative dates for meetings in 2009:

- Feb 2-6
- Apr 6-10 (Holy week!)
- Jun 1-5
- Aug 3-7
- Oct 5-9
- Dec 7-11

These are subject to approval by vote of the membership at the June 2007 meeting.

19.4 Approval of updated guidelines for hosting (T11/07-174v0)

The T11 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.

The T11 Chair then introduced a proposed revision to the guidelines for hosting (T11/07-174v0).

- It was requested to add that during the meeting week, hosts should provide members with sufficient copies room assignment map on paper.
- It was requested to add an exception of \$350 per night for hosting in New York City.

The chair will take these requests under advisement.

Bill Martin (Emulex) moved and Claudio DeSanti (Cisco) seconded to approve the updated guidelines for hosting as recorded in T11/07-174v0. This question requires approval by a simple majority of the membership. The motion passed unanimously.

See action item 07-029.

19.5 Approval of meeting venues

There were no new meeting venues to approve.

19.6 Next meeting information, hosted by TrueFocus in Minneapolis MN, 4-8 June 2007

The T11 Chair reminded the membership that the next T11 plenary week is hosted by TrueFocus in Minneapolis MN, 4-8 June 2007. 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).

20 Final Attendance Notice/Check

The T11 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.

21 Review of Action Items

- 06-041 T11 Chair to send letter to appropriate party in IEEE 802.3 to inform them of the formal relationship of Adam Healey as Liaison between IEEE 802.3 and T11.
- E-mail sent to Bob Grow, August 7, 2006.
 - IEEE believes it is done, T11 Chair will ask for clarification.
 - In process.
- 06-061 Claudio Desanti to prepare a new draft of the document on mechanisms for indicating when new standards replace old.
- In process.
- 06-088 T11 Chair to propose means to make information and process for potential members clearly visible from the T11 home pages.
- In process.
- 07-002 TG Chairs to update Project Status Sheet.
- Ongoing.
- 07-018 IR to solicit and collect any comments on UPnP and forward them to the US National Body (comments required by 3 May, 2007)
- In process.
- 07-019 T11 Secretary to revise and post approved minutes of T11 meeting #79 as agreed at T11 meeting #80.
- 07-020 T11 Chair to send a letter of recommendation in behalf of the INCITS Fibre Channel (T11) Technical Committee to INCITS Executive Board that Dr. Bill Ham be appointed an Emeritus Member of T11 and its task groups according to INCITS RD-2, clause 4.2.3.3.4.
- 07-021 T11 Chair to forward Revision 5 of FCSM-2 (T11/07-176v0), Project 1626-DT, to INCITS for further processing as a technical report
- 07-022 T11 Chair to forward the project proposal for FC-FS-3 (T11/07-034v1) to INCITS for further processing.
- 07-023 T11 Chair to place an item on the agenda for June 2007 to consider forwarding the project proposal for FC-DA-2 (T11/07-187v1) to INCITS for further processing.
- 07-024 T11 Chair to forward revision 1.7 of FC-SATA (T11/07-019v2), Project T11/1786-D, to INCITS for further processing including public review.
- 07-025 FC-SATA Chair to advise the Technical Committee of interest or lack of interest in establishing an ISO project for FC-SATA.
- 07-026 T11 Chair to place an item on the agenda for June 2007 to consider forwarding SM-SPM as a contribution project to IETF for further processing.
- 07-027 T11 Chair to perform a Letter Ballot for approval of forwarding Revision 0.5 of SNPing (T11/07-116v1), Project 1785-D, to INCITS for first public review.
- 07-028 T11 Chair accepted the action to create appropriate liaison reports from T11 to other organizations.
- 07-029 T11 webmaster to replace the meeting hosting guidelines on the T11 web with the updated guidelines for hosting as recorded in T11/07-174v0.

22 Adjournment

Horst Truedtedt (TrueFocus) moved and Claudio DeSanti (Cisco) seconded to adjourn at 4:35 PM PDT. The motion passed unanimously.

Annex A Membership and Attendance

A.1 Membership for this meeting

A.1.1 Voting Members

The following is the list of companies and their representatives that are voting members of record for meeting 80 of the INCITS Fibre Channel (T11) Technical Committee:

Company Represented	P: Prncpl A: Altrnt A#: Adl Alt	Representative
Alcatel-Lucent	P	Richard DiPasquale
Amphenol	P	Gregory McSorley
	A	Michael Wingard
BROADCOM	P	Ali Ghiasi
	A	Scott Powell
Brocade	P	Robert Snively
	A	David Peterson
	A#	Steven L. Wilson
CIENA	P	Sashi Thiagarajan
	A	Martin Hunt
Cisco Systems	P	Claudio DeSanti
	A	Fabio Maino
Corning	P	Doug Coleman
	A	Steven E. Swanson
Corrigent	P	Moran Roth
	A	Luis Aguirre-Torres
EMC	P	Gary S. Robinson
	A	David Black
Emulex	P	Bob Nixon
	A	William R. Martin
ENDL Texas	P	Ralph Weber
	A	Dal Allan

Company Represented	P: Prncpl A: Altrnt A#: Adl Alt	Representative
eSilicon	P	Frank Barber
	A	Rakesh Chadha
Finisar	P	Tim Beyers
	A	Henry Poelstra
	A#	Mike Lawson
FSI	P	Gary Stephens
Fujitsu	P	Mike Fitzpatrick
Hitachi America	P	Hidehisa Shitomi
	A	Junji Kinoshita
Hitachi DS	P	Eric Hibbard
Hitachi GST	P	Dan Colegrove
	A	Jim Wong
HP	P	Don Fraser
	A	Sean Fitzpatrick
IBM	P	Scott Carlson
	A	Roger Hathorn
Intel	P	Schelto Van Doorn
	A	Scott Schube
JDS Uniphase	P	Dave Lewis
	A	Wenbin Jiang
Lightsand	P	Alex Goral
	A	Ilya Alexandrovich
LSI Logic	P	Curtis Ridgeway
	A	Michael Jenkins
	A#	John Lohmeyer
Marvell	P	Paul Wassenberg
	A	David Geddes
Microsoft	P	Robert Griswold
	A	Jeff Mastro

Company Represented	P: Prncpl A: Altrnt A#: Adl Alt	Representative
	A#	Jeffrey Goldner
Molex	P	Jay Neer
Neoscale	P	Landon Noll
	A	Robert Lockhart
NORTEL	P	Graham Copley
Northrop Grumman	P	James Nelson
Nuova	P	Silvano Gai
	A	Luca Cafiero
PacketLight	P	Eyal Gabay
	A	Oded David
Picolight	P	Mike Dudek
	A	Mark Hillesheim
PMC-Sierra	P	Roy Elsbernd
	A	Rick Hernandez
PrecisionFC	P	Gary Warden
	A	Jing Kwok
QLogic	P	Craig W. Carlson
	A	Skip Jones
Seagate	P	James Coomes
	A	Allen Kramer
Smiths Aerospace	P	John Schroeder
	A	Todd Pepper
Solution Technology	P	Robert Kembel
	A	David Deming
ST	P	Gianfranco Scherini
	A	Massimo Pozzoni
Sun Microsystems	P	Matt Gaffney
	A	Michael Roy
Symantec	P	Roger Cummings

Company Represented	P: Prncpl A: Altrnt A#: Adl Alt	Representative
	A	David Dillard
Texas Instruments	P	Rajeev Jain
	A	Stephen Hubbins
TrueFocus	P	Horst Truedtedt
	A	Jeanne Truedtedt
Tyco	P	Andrew Nowak
	A	Michael Fogg
Xyratex	P	Paul Levin
	A	Rich Ramos

A.1.2 Advisory Members

The following is the list of companies and their representatives that are advisory (i.e., nonvoting) members of record for meeting 80 of the INCITS Fibre Channel (T11) Technical Committee:

Company Represented	P: Prncpl A: Altrnt A#: Adl Alt	Representative
3Leaf	P	Rob Reiner
Avago	P	Randy Clark
	A	Dan Rausch
Crossroads Systems	P	John Tyndall
	A	Bill Moody
FCI	P	Kevin Oursler
	A	David Sideck
Liberty Intl	P	Phil Zuniga
NTT ELECTRONICS	P	Jwo Cheng
	A	Kaz Kitagawa
Opnext	P	Josef Berger

Company Represented	P: Prncpl A: Altrnt A#: Adl Alt	Representative
Unisys	P	Wayne Gentry
VOLEX	P	Atul Sharma
	A	Tony Chew
Xilinx	P	Tom Palkert
	A	Brian Seemann

A.2 Attendance at this meeting

The following is the list of companies and their representatives recorded as attending meeting 80 of the INCITS Fibre Channel (T11) Technical Committee, as reported in the online attendance registry:

Organization	Representative
ALCATEL-LUCENT	Richard DiPasquale
AMPHENOL INTERCONNECT	Gregory McSorley
BROADCOM	Ali Ghiasi
BROCADE	David Peterson
BROCADE	Robert Snively
BROCADE	Scott Kipp
CISCO SYSTEMS	Claudio DeSanti
CORNING	Doug Coleman
CORRIGENT SYSTEMS	Luis Aguirre-Torres
EMC	David Black
EMC	Gary S. Robinson
EMULEX	Bob Nixon
EMULEX	William R. Martin
ENDL TEXAS	Ralph Weber
ESILICON	Frank Barber
FSI CONSULTING SVCS	Gary Stephens
FUJITSU COMPUTER PRODUCTS OF AMERICA	Mike Fitzpatrick
HEWLETT PACKARD	Don Fraser

HEWLETT PACKARD	Sean Fitzpatrick
HITACHI AMERICA	Hidehisa Shitomi
HITACHI GLOBAL STORAGE TECHNOLOGIES	Dan Colegrove
IBM	Roger Hathorn
IBM	Scott Carlson
INTEL	Schelto Van Doorn
JDSU	Dave Lewis
LIGHTSAND COMMUNICATIONS	Alex Goral
LSI	John Lohmeyer
LSI	Michael Jenkins
MOLEX	Jay Neer
NEOSCALE SYSTEMS	Landon Noll
NORTEL NETWORKS	Graham Copley
NUOVA SYSTEMS	Silvano Gai
PACKETLIGHT NETWORKS	Oded David
PMC-SIERRA	Rick Hernandez
QLOGIC	Dean Wallace
QLOGIC	Craig W. Carlson
SEAGATE TECHNOLOGY	James Coomes
SOLUTION TECHNOLOGY	Robert Kembel
SUN MICROSYSTEMS	Matt Gaffney
SYMANTEC	Roger Cummings
TRUE FOCUS	Horst Truedtedt
TYCO ELECTRONICS	Andrew Nowak
XILINX	Tom Palkert
XYRATEX	Paul Levin

Annex B Roll Call Vote Tallies

B.1 Forward FCSM-2 to INCITS as Technical Report

The question to accept T11/07-177v0 as the resolution of the letter ballot comments on FCSM-2 and to forward Revision 5 of FCSM-2 (T11/07-176v0), Project 1626-DT, to INCITS for further processing as a technical report was a 2/3 majority roll call vote. The response to the roll call on the question was as follows:

Company	Type	Representatives	Vote
Alcatel-Lucent	P	Richard Di Pasquale	Y
Amphenol	P	Gregory McSorley	Y
Broadcom			NV
Brocade	A	David Peterson	Y
Ciena			NV
Cisco	P	Claudio DeSanti	Y
Corning			NV
Corrigent			NV
EMC	A	David Black	Y
Emulex	A	William R. Martin	Y
ENDL	P	Ralph Weber	Y
eSilicon	P	Frank Barber	Y
Finisar			NV
FSI	P	Gary Stephens	Y
Fujitsu	P	Mike Fitzpatrick	Y
Hitachi America	P	Hidehisa Shitomi	Y
Hitachi Data Sys			NV
Hitachi GST	P	Dan Colegrove	Y
HP	P	Don Fraser	Y
IBM	P	Scott Carlson	Y
Intel	P	Schelto Van Doorn	Y
JDSU	P	Dave Lewis	Y
LightSand	P	Alex Goral	Y
LSI	A#	John Lohmeyer	Y
Marvell			NV

Company	Type	Representatives	Vote
Microsoft			NV
Molex	P	Jay Neer	Y
Neoscale	P	Landon Noll	Y
Nortel	P	Graham Copley	Y
Northrop Grumman			NV
Nuova	P	Silvano Gai	Y
PacketLight	A	Oded David	Y
Picolight			NV
PMC-Sierra	A	Rick Hernandez	Y
PrecisionFC			NV
QLogic	P	Craig Carlson	Y
Seagate	P	James Coomes	Y
Smiths Aerospace			NV
Solution Tech.	P	Robert Kembel	Y
ST			NV
Sun	P	Matt Gaffney	Y
Symantec	P	Roger Cummings	Y
Texas Instruments			NV
TrueFocus	P	Horst Truedtedt	Y
Tyco	P	Andrew Nowak	Y
Xyratex	P	Paul Levin	Y

B.2 Forward FC-SATA to INCITS for 1st PR

The question to accept T11/07-209v1 as the resolution of the letter ballot comments on FC-SATA and to forward revision 1.7 of FC-SATA (T11/07-019v2), Project T11/1786-D, to INCITS for further processing including public review was a 2/3 majority roll call vote. The response to the roll call on the question was as follows:

Company	Type	Representatives	Vote
Alcatel-Lucent	P	Richard Di Pasquale	Y
Amphenol	P	Gregory McSorley	Y
Broadcom			NV
Brocade	A	David Peterson	Y
Ciena			NV
Cisco	P	Claudio DeSanti	Y
Corning			NV
Corrigent			NV
EMC	A	David Black	Y
Emulex	A	William R. Martin	Y
ENDL	P	Ralph Weber	Y
eSilicon	P	Frank Barber	Y
Finisar			NV
FSI	P	Gary Stephens	Y
Fujitsu	P	Mike Fitzpatrick	Y
Hitachi America	P	Hidehisa Shitomi	Y
Hitachi Data Sys			NV
Hitachi GST	P	Dan Colegrove	Y
HP	P	Don Fraser	Y
IBM	P	Scott Carlson	Y
Intel	P	Schelto Van Doorn	Y
JDSU	P	Dave Lewis	Y
LightSand	P	Alex Goral	Y
LSI	A#	John Lohmeyer	Y
Marvell			NV
Microsoft			NV

Company	Type	Representatives	Vote
Molex	P	Jay Neer	Y
Neoscale	P	Landon Noll	Y
Nortel	P	Graham Copley	Y
Northrop Grumman			NV
Nuova	P	Silvano Gai	Y
PacketLight	A	Oded David	Y
Picolight			NV
PMC-Sierra	A	Rick Hernandez	Y
PrecisionFC			NV
QLogic	P	Craig Carlson	Y
Seagate	P	James Coomes	Y
Smiths Aerospace			NV
Solution Tech.	P	Robert Kembel	Y
ST			NV
Sun	P	Matt Gaffney	Y
Symantec	P	Roger Cummings	Y
Texas Instruments			NV
TrueFocus	P	Horst Truedtedt	Y
Tyco	P	Andrew Nowak	Y
Xyratex	P	Paul Levin	Y

Annex C Supporting Documents

C.1 T11 project status

The following table indicates the status of all active T11 projects. It reflects the official status as reported on the T11 web site as of the T11 plenary meeting 5 April 2007.

Standard	Status	Action	Target or Reaffirm Date	Editor	Ad Hoc Chair
Projects in Development Stage					
10GFC A1	In dev	T11 LB	Dec 2006	Snively	Martin
FAIS-2	in dev.	To T11.5	Apr 2008	Carlson	DeSanti
FC-AE-1553	At INCITS	Publication	Jun 2007	Glass	Nelson
FC-BB-4	In dev.	To T11.3	Apr 2007	Peterson	DiPasquale
FC-FS-2-A1	In dev.	To T11	Oct 2006	Nixon	Martin
FC-GS-6	In dev.	To T11.3	Apr 2008	Carlson	Hofer
FC-IFR	In dev.	To T11	Oct 2006	Peterson	McGlaughlin
FC-MSQS	On Hold	To T11.2	Dec 2006	Ham	Wallace
FC-PI-3	In dev.	To T11.2	Dec 2007	Van Doorn	Van Doorn
FC-PI-4	In dev.	To T11	Dec 2007	Hashemi	Wallace
FC-SATA	In dev.	To T11.3	Apr 2007	Kembel	Nixon
FC-SB-3 A1	At T11	T11 LB	Feb 2007	Kembel	Hathorn
FC-SCM	In dev.	To T11.3	Dec 2007	Trustedt	DeSanti
FC-SP-2	In dev.	To T11.3	Dec 2007	DeSanti	Black
FC-SW-5	In dev.	To T11.3	Apr 2008	Wilson	McGlaughlin
FCSM-2	In dev.	To T11	Apr 2006	Ham	Wallace
SM-CLP	At T11.5	To T11.5	Jun 2007	Cummings	Cummings
SM-HBA-2	In dev.	To T11.5	Jun 2008	Nixon	Snively
SMI-S lia	In dev.	To T11.5	Dec 2007		Cummings
SNPing	In dev.	To T11.5	Apr 2007	Weber	Nixon

Standard	Status	Action	Target or Reaffirm Date	Editor	Ad Hoc Chair
Projects in Approval Stage					
FAIS	At SDB	SDB Review	Jun 2007	Carlson	DeSanti
FC-BaseT	At INCITS	End 1PR	Apr 2007	DeSanti	DeSanti
FC-GS-5	INCITS PR	collec INCITS cmts	Sep 18, 2006	Carlson	Hofer
FC-LS	In dev.	res T11 LB cmts	Oct 2, 2006	Carlson	Coomes
FC-SP	At INCITS	End 1PR	Sep 11, 2006	DeSanti	Black
SM-FCFGM	At RFC Ed	Publication	Oct 2007	McCloghrie	Cummings
SM-RSCNM	At RFC Ed	Publication	Oct 2007	McCloghrie	Cummings
SM-SPM	At T11	res T11 LB cmts	Jun 2007	McCloghrie	Cummings
SM-ZSM	At RFC Ed	Publication	Oct 2007	McCloghrie	Cummings