

Draft Minutes of T11 Plenary Session #58
August 14, 2003
Hotel Marlow, Cambridge, MA

1 Opening Remarks and Introductions

The meeting was opened at 4 PM by Bob Snively of Brocade, T11 Chair.

Neil Wanamaker of JNI served as Secretary.

Bob thanked Paul Levin and Xyratex for hosting these meetings.

Bob then led a round of introductions.

Bob stated that the deadline for the next T11 mailing would be 11:59 PM, August 28, 2003. Documents are placed in the mailing by posting them to the www.t11.org web-site. Postings can be made by any member. Begin by using the "Docs" button, then using the "number document" button. After successfully filling out the registration form for the document, you will be supplied with the several means of uploading the document.

2 Approval of the Agenda

The agenda was posted as T11/03-454v2.html.

A minor correction was made; replacing the term SD-3 by RD-5.

It was moved by Horst Truedstedt of True Focus and seconded by John Scheible of IBM to approve the agenda as displayed. The agenda was approved unanimously.

3 Attendance and Membership

3.1 Roll Call of Members in Jeopardy (Non-attendance and Letter Ballots)

The following organizations were in jeopardy for failure to attend two of the previous three T11 Plenary meetings:

Corning

Doug Coleman (present)

Steve Swanson

EMC

Gary Robinson (present)

Greg McSorely

MTI Technologies (not represented)

Rich Ramos

Systran (Not represented)

Ron Taulton

Alan Fearday

Vixel

Ken Hirata (present)

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Kim Gray

MTI and Systran were not represented, and so lose membership. Corning, EMC, and Vixel were represented and so retain membership.

Letter Ballot Jeopardy:

No organizations are in letter ballot jeopardy.

3.2 New Members and Changes

There were 57 members as of the end of the previous meeting.

Agere becomes a new member with John Kulick as Principal Representative and Jeffrey Saunders as Alternate Representative.

Cisco becomes a new member with Sylvano Gai as Principal Representative and Keith McGloghrie as Alternate.

Nortel becomes a new member with Graham Copely as Principal Representative.

SBS becomes a new member with Dave Peterson as Principal Representative.

Roy Elsnernd replaces Narayan Ayalasomayajula as Principal Representative for Agilent.

Narayan Ayalasomayajula replaces Gregg Goyins as Alternate Representative for Agilent.

Gregg Goyins replaces Dylan Jackson as Additional Alternate for Agilent.

Werner Glinka is removed as Alternate Representative for Hitachi GST.

Effie Favreau replaces Kevin Demsky as Alternate Representative for JDS Uniphase.

Neil Wanamaker replaces Jim Lyons as Alternate Representative for JNI.

Tony Aiello replaces Bob Davis as Principal Representative for Network Appliance.

Tony Aiello is removed as Alternate Representative for Network Appliance.

Rich Ramos replaces Neil Edmunds as Alternate Representative for Xyratex.

T11 Membership List Update

With a loss of 2 members and a gain of 4 members, the membership stands at 59 organizations.

3.3 Membership in TC T11 & TGs T11.2, T11.3, and T11.5

Membership is open to organizations directly and materially affected by the scope of T11 that are willing to participate regularly and pay the designated service fee. Membership is by organization.

In order to be in the voting member category, consultant organizations shall have to declare that their participation is not being funded by any organization already having voting membership.

Each member organization appoints one Principal representative, and may appoint one or more Alternate representatives (there is no additional fee for the first Alternate Representative). Names of all representatives must be designated in writing to both the group Chair and the Secretariat (e-mail OK).

The representatives for a member organization should be changed, if necessary, by means of the T11 web page by the Friday prior to the T11 meeting week. This is done by clicking on the "Members" button, then "TC T11 Membership", then on the organization name, then "Edit Representatives". This must be done by a current Principal or Alternate representative using their Personal Password.

Memberships in the TC (T11) and the TGs are all completely separate EXCEPT:

A TC member organization is not assessed fees for TG memberships (even if Principal and/or Alternate Representatives are different).

GAINING & LOSING MEMBERSHIP

To obtain membership for an organization, a representative of the organization must:

Fill in form(s) on the web page (www.t11.org) and send to INCITS with a copy to the T11 Chair

Attend a meeting of the TC, TG, or SG without voting privileges and reaffirm interest in the work of the TC, TG, or SG.

Voting privileges become effective with attendance at one of the next two successive meetings and receipt by the Secretariat of the applicable fees for the membership year

An organization may lose membership because its representatives fail to:

Attend 2 of 3 successive plenary meetings (jeopardy) and then failing to attend the plenary meeting after being warned of jeopardy.

Return 2 out of the last 3 letter ballots (jeopardy) and then failing to return the next letter ballot after being warned of jeopardy.

Pay the fees in the time defined by the Secretariat

DOCUMENT SUBSCRIPTION SERVICE

Service provided by Secretariat (INCITS):

Have to be at least Observer of a T11 group to obtain the paper mailing (anybody can receive the cd mailing)

Delivered bimonthly

Choices are:

paper @ \$1000US/year US/Canada, \$2000/year else

T11 CD-ROM @ \$300US/year US/Canada, \$400/year else

ENDL CD_Access @ \$480US/year US/Canada, \$580/year else

Application form on web site (www.t11.org) under the "administrative" link & the bottom of the main page, membership forms there too (all in PDF)

Return to INCITS Secretariat, copy to T11 & TG Officers

4 Document Distribution

The documents presented at the meeting are available from the DOCS page of the T11 website, www.t11.org, and distributed electronically at the meeting.

5 Approval of Minutes - T11 Meeting #57, Minneapolis, MN

The minutes of meeting #57, June 5, 2003 (T11/03-421v0), were reviewed.

It was moved by Jeanne Truedstedt and seconded by John Scheible to approve the minutes as posted. The motion carried by acclamation.

6 Review of old Action Items

03-001 TG Chairs to update Project Status Sheet.

Ongoing

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03-002 All editors, when posting drafts, upload zip of source to hidden directory

Ongoing.

03-027 Chair to determine whether first public review comments have been resolved for 10GFC.

Responses approving the resolution of the first public review comments were received from Lindsay, Tracht, Borisch, Grann, Carlson, Kolesar. Negative response from Snively (second public review comment submitted).

Completed by e-mail, 6/11/03.

03-038 FC-AV Editor (Horst Truedstedt) to supply ISO text to Gary Robinson

Completed

03-040 PI editor (Schelto Van Doorn) to supply ISO text to Gary Robinson

Carryover

03-041 Neil Wanamaker to arrange for ISO text for FC-VI to Gary Robinson.

Frame files requested from Harvey Rosenfeld, June 19, 2003.

Completed (03-539v0).

03-042 10GFC editor (Rich Taborek) to supply ISO text to Gary Robinson

Carryover

03-049 Chair to identify required changes for ISO documents.

Completed. See sample annex of T11/03-395v0.

03-050 FC-SB-3 source to be provided by Project Editor to Bob Snively

Completed. Email to Snively, dated June 9, 2003.

03-051 Chair to provide FC-SB-3 source to INCITS.

Completed. Email to Spittle, dated June 9, 2003 by Frazier.

Also placed on T11 web-site.

03-052 Chair to forward Homeland Security letter (T11/03-208v1) to INCITS.

Completed by e-mail to Vago, Thurston, Higginbottom, June 20, 2003.

03-053 Chair to forward name change to INCITS.

Completed. See T11/03-270v1, e-mailed June 19, 2003.

03-054 Greg McSorely to provide rev4 of FC-PI-2 to T11 Chair.

Completed. See T11/03-452v0

03-055 Chair to conduct letter ballot on forwarding of FC-PI-2 rev. 4 to INCITS.

Completed. See T11/03-457v0. Ballot closed on August 13, 2003.

03-056 Steve Wilson to provide FC-BB-3 v2 Project Proposal to Chair.

Completed. See T11/03-165v2.

03-057 Chair to forward FC-BB-3 Project Proposal (T11/03-165v2) to INCITS for further processing.

Completed. See T11/03-414v0.

03-058 Chair to forward FAIS Project Proposal (T11/03-305v2) to INCITS for further processing.

Completed. See T11/03-413v0.

03-059 Chair to conduct 30-day LB (US Domiciled only) on RapidIO (T11/03-370v0).

Completed. See T11/03-440v0.

03-060 IR to post errata to RapidIO when it is available.

Completed. See T11/03-489v0.

03-061 Craig Carlson/Chair to notify Mr Michaels of existence of ITU-T liaison with T11.3 (Mike Scholten/AM-CC).

Carryover

03-062 Chair of T11.5/T11.3 to notify John Lohmeyer of interim meetings during t10.

Completed by e-mail and telephone, June 11, 2003 and June 20, 2003, for meetings up through January, 2004.

03-063 Chair to provide clarifying note on HIPPI-6400-OPT as required by INCITS.

Completed by e-mail. See T11/03-431v0.

03-064 Chair to solicit approval of letter ballot comment resolution for FC-FS from FSI.

Completed.

03-065 Chair to verify that FC-BB-2 resolution of ANSI editor questions is completed.

Completed. Harvey Rosenfeld e-mail to Murali Rajogopal dated June 24, 2003.

Additional action items:

Ali Ghiasi to request that Bob Snively post, as a T11 document, a letter from the XFP-MSA Consortia to INCITS/T11 authorizing use of the documentation present in the XFP MSA for use in creating an INCITS standard.

Completed. See T11/03-522v0

Chair to prepare T11 annual report.

Completed. See T11/03-432v0.

Chair to prepare T11 liaison report to T10 and to T11 Task Groups.

Completed. See T11/03-451v0.

7 Review of T11 Project and Proposal Status

7.1 Project Status Review

The T11 Project status sheet was displayed. See WWW.t11.org, using the button "Projects".

7.2 INCITS Project Status Report

Bob Snively made the following presentation:

1) Project proposals approved:

FC-BB-3

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Project Proposal for "Information technology - Fibre Channel Backbone - Generation 3 (FC-BB-3)" was approved by INCITS as project 1639-D

FAIS

Project Proposal for "Information technology - Fabric Application Interface Standard (FAIS)" was approved by INCITS as project 1640-D.

2) Documents published:

HIPPI-6400-OPT

Information Technology - High-Performance Parallel Interface - 6400 Mbit/s

Optical Specification (HIPPI-6400-OPT) was approved on July 25, 2003 for publication as ANSI INCITS 338-2003. It will be published in the next few weeks. See T11/03-431v0 for correction of administrative oversight.

FC-BB-2

Information technology - Fibre Channel Backbone-2 (FC-BB-2) was approved on July 25, 2003 for publication as ANSI INCITS 372-2003. It will be published in the next few weeks.

3) Documents in approval process:

FC-FS: Project 1569 - INCITS 373:

The document has completed first public review. Gary Stephens has provided comments on the document. The comments are under review and are to be addressed in the August T11 meeting week.

FC-SB-3: Project 1331 - INCITS 374:

Information technology - Fibre Channel - Single-Byte Command Code Sets Mapping Protocol - 3 (FC-SB-3)

The management review of this draft will be sent to the INCITS SDB liaison next week for a review, upon receipt of the SDB liaison's recommendation then the INCITS EB will get a 7-day review period. After INCITS EB's 7-day review then the final 30-day letter ballot for approval will be issued.

10GFC Project 413-D - INCITS 364:

Responses have been received relative to approval of the comment resolutions for the comments received during the first public review. Resolutions from Grann, Kolesar, Lindsay, Tracht, and Borisch were resolved, Snively comment was not resolved and modifications were made to the document in preparation for second public review.

The document was forwarded for third public review. One public review comment was received from Claudio DeSanti. The comment is believed to be editorial and will be addressed by T11 during the August meeting week.

Action items required by INCITS/

Approval of RapidIO Interconnect Systems

US TAG: INCITS/T11 SC: N in030693

Date Due to TAG Administrator: 08/27/03

Subject: For INCITS Letter Ballot, ISO/IEC DIS 18372, Information technology - RapidIO Interconnect Systems.

Vote is completed. Chair to be assigned action item to send notification to INCITS and TAG Administrator.

SC/ISO Due Date: 10/11/03

Review of transfer of projects

in031022, Notification of transfer of Projects for JTC 1/SC25/WG4 Microprocessor TAG - Action Item 20 from the July 2003 INCITS EB Meeting (If there are any objections to the transfer of these projects, please notify the Secretariat no later than September 12, 2003. in031022 is enclosed for your reference).

Most inputs provided by Deborah Spittle, INCITS.

7.2.1 HIPPI-6400-OPT letter (T11/03-431v0)

8 Results of Non-ISO Letter Ballots

8.1 FC-PI-2 to INCITS for First Public Review

The T11 Letter Ballot completed on August 13, with 37 For, 9 Opposed, with 3 Abstaining and 8 Not Voting. 6 Affirmative ballots included comments.

9 Old Business

9.1 SBCON Request For Interpretation (T11/03-458v0)

There was a request for interpretation of the SBCON standard submitted as T11/03-458v0.

9.2 Response to Request for Interpretation (T11/03-467v1)

A response was prepared for the request for interpretation as document T11/03-467v1. Acceptance requires a 30-day letter ballot, and the Chair was actioned to conduct a letter ballot.

10 Task Group T11.2 Physical Variants

10.1 T11.2 Plenary Meeting Report

Schelto van Doorn of Intel, T11.2 Chair, made the following report:

The present membership is 41

Optical WG – Rich Taborek

Presentations:

- *Safety Survey, Eric Borisch, JDSU, T11/03-537v0*
- *Preliminary Simulation of EDC-Based MMF Links Using a “Worst-Case” Approach, Jonathan D. Ingham, et. al., University of Cambridge*
- *Suggested 10GFC Variants to Meet Multimode Distance Requirements, Nick Weiner, et. al., Phyworks, University of Cambridge*
- *Compliance Testing for 10GFC, Abhijit Phanse, et. al., Scintera Networks*
- *Improved Performance of 10Gb/s MMF Links Using Equalization, Petar Pepeljugoski, IBM*
- *Delta Compliance at 4GB/s, Ali Ghiasi, Broadcom*
- *EDC ad hoc report, Raj Savara, Network Elements, EDC Matrix created*
- *1200-SM-LC-L ad hoc report, Tom Lindsay, E2O*
- *FC-PI-4 Project Proposal (includes LEEV) discussion*

Electrical WG - Ed Grivna

- *5 presentations*

1. LSI Logic – Presentation on signal integrity vs. termination tolerance

- *Shows relationship of impedance to received eye amplitude.*

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2. LSI Logic – Presentation on receiver sensitivity vs. specified eye opening

- o Shows noise coupling effects of adjacent transmitters

3. Intel – presents status of IEEE 802.3

4. IBM – Presentation on receiver sensitivity vs. process changes

- o Proposal is to reduce Alpha-R number from 250mV to 200mV p-pd

5. Broadcom – Presentation on delivered signal relative to real backplanes

o Losses show 1200mV p-pd (at die) required to deliver 300mVp-pd at Beta-R Discussed project proposal for Electronic Dispersion Control

- o Generate FC-PI-4

MJSQ - Dennis Petrich

- The meeting focused on resolving comments, that were completed as doc 03-317v3 and Rev 12 that incorporates these resolutions was substantially completed for forwarding

- T11.2 Plenary approved 03-317v3 and forwarded MJSQ rev 12 to T11 for further processing

FCSM (Signal Modeling) - Bill Ham

- IBIS modeling for transmitters was explored. Suppliers now exist that will create robust, accurate IBIS models from SPICE models (or encrypted SPICE models) – excellent agreement between IBIS and SPICE was demonstrated – preemphasis transmitters are still problematic

- Requirements for compliance interconnect models were actively discussed – whether/how to include phase response is the main question

FC-PI-2 - Greg McSorley

- T11 letter ballot compete

- Ballot passed 37 yes, 9 no, 8 did not vote

- Many comments were received and it is expected that significant time will be required for resolution

- The next step is comments resolution

- The schedule during T11 week has been rearranged to better accommodate comments resolution activities (all day Tuesday joint electrical/optical, copper and optical ad hoc meetings on Wednesday)

- 2 interim telecoms

Action requested of T11 chair: To perform a T11 letter ballot on MJSQ revision 12, when available.

Motion on behalf of T11.2: that the T11 plenary accept the FCPI- 4 project proposal as documented in 03-456v2 as a new T11.2 project.

Clarification: FC-EDC was renamed to FC-PI-4 that addresses link equalization enhanced variants

10.2 Proposals for new projects

10.2.1 FC-PI-4 Project Proposal (T11/03-456v2)

It was moved by Schelto van Doorn on behalf of T11.2 to forward the FC-PI-4 Project Proposal (T11/03-456v2) to INCITS for further processing. The motion carried 46 For 0 Opposed, with 1 Abstaining and 12 Not Voting. This meets the two-thirds rule.

10.3 Other Actions

None.

10.4 Other Items

None

11 Task Group T11.3 Interconnection Schemes

11.1 T11.3 Plenary meeting Report

Craig Carlson of QLogic, T11.3 Chair, made the following report:

47 Members

Development

Conformance Study –First meeting, status on previous plug-fest, reviewed issue between FC-MI and HBA-API,

Fabric Expansion Study –Clarify presentations from previous meeting, first attempt to unify

FC-AE-2 –T11.3 accepted PPsto break into 4 TRs; Withdrawal of FC-AE-2 forthcoming in October

FC-BB-3 –Approved response to ITU for liaison, flow control and SONET

FC-FS-2 –Approved LS split, approved left over FC-FS comments, reviewed ANSI FS edits, discussed AL-2 error isolation issues

FC-LS –Approved split from FC-FS

FC-MI-2 –Impact of PLDA on FC-MI-2, completed SB discussion, reviewed FLA clauses for inclusion

FC-SP –As always, a lively meeting; Authentication, Policy, Time Server, and Secret Management; Starting to come together

Approval

FC-DA –T11 Letter Ballot comment resolution in progress; New draft expected for October

FC-FS –Completed 1PR

FC-GS-4 –Continuing LB comment resolution; over 90% complete; approved removal of IP Address Server

FC-SB-3 –Completed 1PR

FC-SW-3 –Continuing T11 Letter Ballot comment resolution

IPv6 over FC Study Group –Submitted to IETF, possible separate FC WG within IETF to be formed

11.2 Proposals for New Projects

11.2.1 FC-AE-ASM (T11/03-307v0)

11.2.2 FC-AE-1553 (T11/03-308v0)

11.2.3 FC-AE-RDMA (T11/03-310v0)

11.2.4 FC-AE-LP (T11/03-309v0)

It was moved by Craig Carlson, on behalf of T11.3, to accept the Project Proposals contained in T11/03-308v0 (FC-AE-1553) as modified, T11/03-307v0 (FC-AE-ASM) as modified, T11/03-309v0 (FC-AE-LP) as modified, and T11/03-310v0 (FC-AE-RDMA) as modified, and forward them to INCITS for further processing. The motion carried 50 For, 0 Opposed, with 0 Abstaining and 9 Not Voting. This meets the two-thirds rule.

11.3 Other Actions

11.3.1 10GFC

Craig moved, on behalf of T11.3, to accept the non-substantive modification to 10GFC included in T11/03-

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453v0.

The results of the rollcall vote were:

Agere	P	John D. Kulick	y
Agere	A	Jeffrey H. Saunders	
Agilent	P	Roy Elsnernd	y
Agilent	A	Narayan Ayalasomayajula	
Agilent	A#	Gregg Goyins	
Akara	P	Chris Janz	y
AMPHENOL	P	Michael Wingard	nv
AMPHENOL	A	Ron Kleckowski	
Ancot	P	Jan V. Dedek	nv
Ancot	A	Bart Raudebaugh	
Andiamo	P	Claudio DeSanti	y
Andiamo	A	Fabio Maino	
Broadcom	P	Ali Ghiasi	nv
Broadcom	A	Murali Rajagopal	
Brocade Comms.	P	Robert Snively	
Brocade Comms.	A	Steven L. Wilson	y
Brocade Comms.	A#	Kumar Malavalli	
Brocade Comms.	A#	William R. Martin	
Brocade Comms.	A#	Jim Kleinsteiber	
Cisco	P	Silvano Gai	y
Cisco	A	Keith McCloghrie	
CNT	P	Bret Ketchum	y
CNT	A	Mike Morandi	
CNT	A#	Bill Collette	
CNT	A#	Harry V. Paul	
CNT	A#	Brad Solomon	
CNT	A#	Gregory Koellner	
Corning	P	Doug Coleman	y
Corning	A	Steve Swanson	
Crossroads Sys.	P	Robert Griswold	
Crossroads Sys.	A	John Tyndall	y
Crossroads Sys.	A#	Bill Moody	
Cypress Semi	P	Edward Grivna	y
E2O	P	Dave Lewis	y
EMC	P	Gary S. Robinson	y
EMC	A	Gregory McSorley	
Emulex	P	Bob Nixon	y
Emulex	A	David Baldwin	
ENDL	P	Ralph Weber	y
ENDL	A	Dal Allan	
FCI	P	Kevin Oursler	nv
FCI	A	Rodd Ruland	
FSI	P	Gary R. Stephens	y
Fujitsu	P	Mike Fitzpatrick	y
General Dynamics	P	Arne Niska	
General Dynamics	A	Kent Lindell	y
Hitachi Data Sys	P	Art Edmonds	y
Hitachi Data Sys	A	Shoji Kodama	
Hitachi GST	P	Dan Colegrove	

Hitachi GST	A..... Werner Glinka	y
Hewlett Packard	P..... Bill Ham	y
Hewlett Packard	A..... Mark Hamel	
IBM	P..... John Scheible	y
IBM	A..... Robert Dugan	
IBM	A#..... George Penokie	
Infineon	P..... Richard Johnson	nv
Infineon	A..... Vasanta Rao	
Intel	P..... Schelto van Doorn	y
Intel	A..... Brad Booth	
JDS	P..... Eric Borisch	nv
JDS	A..... Effie Favreau	
JNI	P..... Dirk Colpaart	
JNI	A..... Neil Wanamaker	y
Kasten Chase	P..... Clement Kent	nv
Kasten Chase	A..... Kha-Sin Teow	
Kasten Chase	A#..... Mary Kirwan	
Lockheed Martin	P..... Rick Allison	nv
LSI Logic	P..... Curtis A. Ridgeway	
LSI Logic	A..... Harmel S. Sangha	
LSI Logic	A#..... John Lohmeyer	y
LSI Logic	A#..... Louis Odenwald	
LSI Logic	A#..... Mark Marlett	
Lucent	P..... Bill Krieg	y
Lucent	A..... Andrew Schnable	
Lucent	A#..... Doug Cruickshanks	
Madison Cable	P..... Andrew Nowak	y
Madison Cable	A..... Jie Fan	
McData	P..... Michael O'Donnell	
McData	A..... Scott Kipp	
McData	A#..... Robert Pulley	y
Molex	P..... Jay Neer	y
Network Appliance	P..... Tony Aiello	nv
NGS	P..... Gary Warden	y
NGS	A..... Gary Stephens	
Nishan	P..... Charles Monia	y
Nishan	A..... Joshua Tseng	
Nortel	P..... Graham Copley	y
NTT	P..... Shin'ichi Iwano	y
NTT	A..... Etsuji Sugita	
NTT	A#..... Osamu Ishida	
QLogic	P..... Craig Carlson	y
QLogic	A..... Skip Jones	
QLogic	A#..... Ed McGlaughlin	
SanCastle	P..... Alex Goral	nv
SanCastle	A..... Ilya Alexandrovich	
SAN Dial	P..... Tim Sheehan	y
SBS	P..... David Peterson	y
Seagate	P..... James Coomes	y
Seagate	A..... Allen Kramer	
Smiths Aerospace	P..... John Schroeder	nv
Solution Tech.	P..... Robert W. Kembel	y

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Solution Tech.	A..... David Deming	
ST	P..... Mike Jensen	y
ST	A..... Roland Marbot	
StorageTek	P..... Matt Gaffney	y
StorageTek	A..... Joe Grubba	
Sun Microsystems	P..... Vit Novak	y
Sun Microsystems	A..... Steve Sletten	
SV Systems	P..... Murali Rajagopal	nv
Tartan	P..... Rich Taborek	y
Tartan	A..... Arline Taborek	
TrueFocus	P..... Horst Truedstedt	
TrueFocus	A..... Jeanne Truedstedt	y
Unisys	P..... Wayne Gentry	nv
Velio	P..... Haluk Aytac	nv
Veritas	P..... Roger Cummings	y
Veritas	A..... Roger Reich	
Vixel	P..... Ken Hirata	y
Vixel	A..... Kim Gray	
Xyratex	P..... Paul Levin	y
Xyratex	A..... Rich Ramos	

The motion carried 45 For, 0 Opposed, with 0 Abstaining and 14 Not Voting. This meets the two-thirds rule.

11.4 Other Items

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

13 Task Group T11.5 - Storage Network Management

13.1 T11.5 Plenary Meeting Report

Roger Cummings of Veritas, T11.5 Chair, made the following presentation:

42 people attended Plenary #6 on Thursday 8/14

- *2 members in jeopardy (both lost membership), four new member organizations - membership now @ 35 orgs*
- *Ad Hoc Reports*
- *FC-HBA & FC-SWAPI*
- *10 people from 8 companies attended on 8/14*
- *42 SWAPI LB comments processed*
- *Line-by-Line review of section 4 & part of 6*
- *Management*
- *12 people attended on 8/13*
- *Discussion on MIB approaches & coordination with the IETF - process document will be created*
- *Initial AMD draft presented*
- *FAIS*
- *28 people attended on 7/9 & 37 on 8/13*
- *10 presentations on existing APIs & requirements*

- *Next two meetings will define a common terminology, refine a set of requirements & agree on a model*
- *Meeting requests for October*
- *API Ad Hoc (FC-HBA & FC-SWAPI) - 4 hours*
- *FAIS Ad Hoc - 5 hours*
- *Management Ad Hoc (SM-MM & SM-AMD & MIBs) - 3 hours*
- *Plenary - 1.5 hours*

13.2 Proposals for New Projects

13.3 T11.5 Actions

None.

13.4 Other Items

14 Review of International Activity

14.1 US National Body Selection of Delegation (T11/03-464v0)

The US Delegation will consist of Bob Snively as Head of Delegation, and Gary Robinson (Convenor).

14.2 ISO/IEC Status Report

Gary Robinson of EMC, T11 IR, made a report on ISO status:

1. FC-GS-3, 1.25.13.13.15: 14165-413: Need ISO text.
2. FC-AV, 1.25.13.13.18: 14165-321: FCD text submitted.
3. FC-BB-2, 1.25.13.13.20 : 14165-241: FCD ISO text submitted.
4. FC-100-TP, 1.25.13.13.21 : SC25 Secretariat asked if T11 could help modify the document to satisfy US comments..
5. FC-FS, 1.25.13.13.22 : 14165-251: need ISO text
6. FC-PI, 1.25.13.13.24 : 14165-115: need ISO text.
7. FC-VI, 1.25.13.13.26: 14165-331: Waiting for NWIP ballot to complete, but have FCD text
8. FC-10GFC, 1.25.13.1 3.27 : 14165-116: need ISO text.
9. Delegation to ISO/IEC JTC1/SC25/WG4 In Zurich chosen, R Snively will be Head of Delegation. Gary S Robinson is Convener.
10. MOTION: NWIP for TR MJSQ

14.3 Results of RapidIO Letter Ballot

The RapidIO Letter Ballot concluded with a vote of 35 For, 0 Opposed, with 10 Abstaining and 8 Not Voting. 1 Yes vote included comments. This meets the two-thirds rule.

14.4 ISO Motions

- A) Motion to transfer SC25 WG4 projects (in301022, in30875, and in30755), Serial subsystem bus 60823, VIC-bus 11458, STBus 14576, VME64 15776.
- B) Motion to approve the NWIP for MJSQ.
- C) Motion to approve the FCD for FC-SB-2

It was moved by Gary Robinson and seconded by Bob Snively that

"T11 approves the transfer of Serial subsystem bus 60823, VICbus 11458, STBus 14576, and VME64 15776 to IEEE Microprocessor TAG,

to approve the NWIP Technical Report for FibreChannel - Methodologies for Jitter and Signal Quality Specification, - MJSQ, (T11/03-nnnv0) as a US contribution to JTC1/SC25 and to approve the NP to be issued by SC25, answering the 6 questions 'Yes' and naming Gary S. Robinson as project editor,

and that T11 has reviewed the FCD, SC25 14165-222 (FC-SB-2) and recommends that the JTC1/SC25 TAG vote to approve FCD, SC25 14165-222 Single Byte Command Code Sets -2"

The results of the rollcall (US domiciled organizations only) was

Agere	P..... John D. Kulick	y
Agere	A..... Jeffrey H. Saunders	
Agilent	P..... Roy Elsnernd	y
Agilent	A..... Narayan Ayalasomayajula	
Agilent	A#..... Gregg Goyins	
Akara	P..... Chris Janz	y
AMPHENOL	P..... Michael Wingard	nv
AMPHENOL	A..... Ron Kleckowski	
Ancot	P..... Jan V. Dedek	nv
Ancot	A..... Bart Raudebaugh	
Andiamo	P..... Claudio DeSanti	y
Andiamo	A..... Fabio Maino	
Broadcom	P..... Ali Ghiasi	y
Broadcom	A..... Murali Rajagopal	
Brocade Comms.	P..... Robert Snively	
Brocade Comms.	A..... Steven L. Wilson	y
Brocade Comms.	A#..... Kumar Malavalli	
Brocade Comms.	A#..... William R. Martin	
Brocade Comms.	A#..... Jim Kleinsteiber	
Cisco	P..... Silvano Gai	y
Cisco	A..... Keith McCloghrie	
CNT	P..... Bret Ketchum	y
CNT	A..... Mike Morandi	
CNT	A#..... Bill Collette	
CNT	A#..... Harry V. Paul	
CNT	A#..... Brad Solomon	
CNT	A#..... Gregory Koellner	
Corning	P..... Doug Coleman	y
Corning	A..... Steve Swanson	
Crossroads Sys.	P..... Robert Griswold	
Crossroads Sys.	A..... John Tyndall	y
Crossroads Sys.	A#..... Bill Moody	
Cypress Semi	P..... Edward Grivna	y
E2O	P..... Dave Lewis	y
EMC	P..... Gary S. Robinson	y
EMC	A..... Gregory McSorley	
Emulex	P..... Bob Nixon	y
Emulex	A..... David Baldwin	
ENDL	P..... Ralph Weber	y
ENDL	A..... Dal Allan	
FCI	P..... Kevin Oursler	nv
FCI	A..... Rodd Ruland	

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FSI	P	Gary R. Stephens	y
Fujitsu	P	Mike Fitzpatrick	y
General Dynamics	P	Arne Niska	
General Dynamics	A	Kent Lindell	y
Hitachi Data Sys	P	Art Edmonds	y
Hitachi Data Sys	A	Shoji Kodama	
Hitachi GST	P	Dan Colegrove	y
Hitachi GST	A	Werner Glinka	
Hewlett Packard	P	Bill Ham	y
Hewlett Packard	A	Mark Hamel	
IBM	P	John Scheible	y
IBM	A	Robert Dugan	
IBM	A#	George Penokie	
Infineon	P	Richard Johnson	nv
Infineon	A	Vasanta Rao	
Intel	P	Schelto van Doorn	y
Intel	A	Brad Booth	
JDS	P	Eric Borisch	nv
JDS	A	Effie Favreau	
JNI	P	Dirk Colpaart	
JNI	A	Neil Wanamaker	y
Kasten Chase	P	Clement Kent	nv
Kasten Chase	A	Kha-Sin Teow	
Kasten Chase	A#	Mary Kirwan	
Lockheed Martin	P	Rick Allison	nv
LSI Logic	P	Curtis A. Ridgeway	
LSI Logic	A	Harmel S. Sangha	
LSI Logic	A#	John Lohmeyer	y
LSI Logic	A#	Louis Odenwald	
LSI Logic	A#	Mark Marlett	
Lucent	P	Bill Krieg	y
Lucent	A	Andrew Schnable	
Lucent	A#	Doug Cruickshanks	
Madison Cable	P	Andrew Nowak	y
Madison Cable	A	Jie Fan	
McData	P	Michael O'Donnell	
McData	A	Scott Kipp	
McData	A#	Robert Pulley	y
Molex	P	Jay Neer	y
Network Appliance	P	Tony Aiello	nv
NGS	P	Gary Warden	y
NGS	A	Gary Stephens	
Nishan	P	Charles Monia	y
Nishan	A	Joshua Tseng	
Nortel	P	Graham Copley	NE
NTT	P	Shin'ichi Iwano	NE
NTT	A	Etsuji Sugita	
NTT	A#	Osamu Ishida	
QLogic	P	Craig Carlson	y
QLogic	A	Skip Jones	
QLogic	A#	Ed McGlaughlin	
SanCastle	P	Alex Goral	nv

SanCastle	A..... Ilya Alexandrovich	
SAN Dial	P..... Tim Sheehan	y
SBS	P..... David Peterson	y
Seagate	P..... James Coomes	y
Seagate	A..... Allen Kramer	
Smiths Aerospace	P..... John Schroeder	nv
Solution Tech.	P..... Robert W. Kembel	y
Solution Tech.	A..... David Deming	
ST	P..... Mike Jensen	NE
ST	A..... Roland Marbot	
StorageTek	P..... Matt Gaffney	y
StorageTek	A..... Joe Grubba	
Sun Microsystems	P..... Vit Novak	y
Sun Microsystems	A..... Steve Sletten	
SV Systems	P..... Murali Rajagopal	nv
Tartan	P..... Rich Taborek	y
Tartan	A..... Arline Taborek	
TrueFocus	P..... Horst Truedstedt	
TrueFocus	A..... Jeanne Truedstedt	y
Unisys	P..... Wayne Gentry	nv
Velio	P..... Haluk Aytac	nv
Veritas	P..... Roger Cummings	y
Veritas	A..... Roger Reich	
Vixel	P..... Ken Hirata	y
Vixel	A..... Kim Gray	
Xyratex	P..... Paul Levin	NE
Xyratex	A..... Rich Ramos	

The motion carried 42 For, 0 Opposed, with 0 Abstaining and 13 Not Voting. This meets the two-thirds rule.

14.5 Open Items

None

15 T11 New Business & New Technical Items

15.1 Other New Business

16 Call for Patents

Bob Snively, T11 Chair, made the following report:

A call is hereby made for patents and/or Patent applications that may be necessary to comply with the requirements in T11 standards, draft standards, technical reports, or draft technical reports. It is desirable for the holders to agree to license those patents in conformance with the ANSI patent policy

A document is available from ANSI, "Procedures for the Development and Coordination of American National Standards", at no charge. This document is also on the Web at www.incits.org/help/ansi_sdo.html. The section 1.2.11 contains the ANSI patent policy.

The contact at ANSI is the General Counsel, Ms. Amy Marasco –

(212)642-4954 or amarasco@ansi.org

The most readable and helpful guideline is:

Legal overview of intellectual property guidelines

http://www.incits.org/2001_symposium/marasco.pdf

RESPONSE TO CALL FOR PATENTS

IBM has declared that it has patents, which apply to the practice of FC and SBCON. The contact is:

IBM Corp.

Director of Licensing

North Castle Dr.

Armonk, NY. 10504-1785

McDATA Corporation has notified the American National Standards Institute that it holds patents that are applicable to the following ANSI documents:

FC-PH-2, FC-FS, FC-SW, and FC-SW-2.

The contact is:

Kathleen A. McMann, McData Corp., 310 Interlocken Parkway,

Broomfield, CO 80021 Phone: (303)460-3277, Fax (303)460-3235,

Email: kmcmann@mcddata.com

Agilent Technologies has notified the American National Standards Institute that it holds patents applicable to 10GFC.

The contact is:

Agilent Technologies, Inc.

Legal Department, Patent Out-Licensing Section

3000 Hanover street

Palo Alto, CA 94304

Lucent has notified the American National Standards Institute that if it holds patents applicable to SRP, it will comply with the ANSI patent policy.

The contact is:

Bill Carter

Intellectual Property Manager

Lucent Technologies

908-582-2156

carterwr@lucent.com

Brocade Networks has notified the American National Standards Institute that it holds patents, and will comply with the ANSI patent policy.

The contact is:

Ronald Epstein, Vice President and General Counsel

1745 Technology Drive

San Jose, CA 95110

(408) 392-5225

repstein@brocade.com

Nishan Systems, Inc., has notified INCITS that Nishan patent 6,400,730, issued on June 4, 2002, may be applicable to the T11 FC-BB2 draft standard being developed by the T11.3 task group. Nishan states that it will comply with the INCITS patent policy.

Contact:

Mark Hicks, Vice President and General Counsel

Nishan Systems Inc.

3850 North First Street

San Jose, CA

(408) 519-3977 voice

(408) 435-8385 fax

There was a query from Bob Dugan about when in the course of patent approval one needed to declare the existence of a patent.

17 Anti-Trust Guidelines

Antitrust Guidelines

ITI counsel developed the INCITS Antitrust Guidelines for the protection of INCITS and INCITS Subgroup members on antitrust issues. INCITS and INCITS Subgroup members must follow the INCITS Antitrust Guidelines.

Anticipate Risks

INCITS and INCITS subgroup meetings must be conducted in a manner that avoids the appearance of conduct which might violate the antitrust laws. The harsh criminal penalties in the antitrust laws, for individuals as well as organizations, the high costs of defending antitrust suits, the diversion of resources from our important missions, and the risk of liability together mandate an understanding of, and respect for, the antitrust laws by INCITS and its members. Our objective is to create a climate where antitrust risks are both anticipated and avoided.

Consult Counsel

Legal counsel should be consulted prior to any discussion of actions which the staff or INCITS believes could raise antitrust issues, or which seem in any way to be questionable or out of the ordinary. It is counsel's job to advise INCITS on any matters that have legal significance. It is always better to ask.

Notice and Agenda

Each INCITS or INCITS subgroup meeting must be preceded by a notice to the members of the committee with a draft agenda. As required by INCITS procedures, the agenda must be approved at the beginning of the meeting and followed.

Conduct of Meetings

INCITS policy requires the full-time attendance of a person familiar with the antitrust guidelines (e.g., staff, trained officer, INCITS liaison). All participants should be afforded an opportunity to present their views. Acting on behalf of INCITS, members have the responsibility to terminate any discussion, seek counsel's advice or, if necessary, terminate any meeting if the discussion might be construed to raise questions under the INCITS antitrust guidelines.

Minutes of Meetings

After each INCITS or INCITS subgroup meeting, concise minutes must be prepared that accurately describe the actions taken, and where appropriate, any rationale or additional pertinent discussion. These minutes must be prepared by a member of the INCITS staff or someone designated by an INCITS officer to prepare the minutes. When prepared by someone other than a member of the INCITS staff, the draft minutes shall be reviewed by the INCITS staff prior to distribution to the committee.

Sensitive Topics

With rare exceptions that should be made only upon the advice of INCITS counsel, there should never be discussion of the following topics at any INCITS or an 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.

Standards

In INCITS sponsored committees related to standards, all relevant opinions should be considered and a sound technical basis for the INCITS position should be articulated. When participating in other standard-setting bodies on behalf of INCITS, INCITS representatives should be guided by both the letter and the spirit of the established procedures, which are designed to ensure that the process is open to all interested parties and standards are based on objective technical factors. INCITS members should voluntarily disclose any proprietary interest they may have in proposed standard in order to reduce the risk of antitrust liability.

Educational Presentations

Sharing non-proprietary information among competitors is generally lawful. Discussion should be limited to objectives, which promote overall consumer welfare. Exchanging proprietary information may not be appropriate, if the purpose or effect of the exchange is to lead to diminished competition in the marketplace.

18 Liaison Reports

18.1 INCITS Report, activities other than T11 Status

Bob Snively of Brocade, T11 Chair, made the following report:

People

- *Patrick Morris has been named Executive Director of INCITS. He was formerly with the Produce Marketing Association.*
- *Monica Vago has left INCITS for another opportunity. Lynn Barra has joined INCITS as associate director of standards operations.*

People

- *INCITS assigned us a new liaison person, Jean Baronas, of Sony Electronics in San Jose, CA.*
- *Robert Gaskill (OSD/S&T) was appointed chair of the INCITS Long Range Planning Board*
- *Dr. Terence Nelson (Panasonic Technologies) was appointed chair of the INCITS Finance Board*

INCITS Procedures

- *All ISO documents should be prepared using Acrobat 4. Action of ITSIG, July, 03.*

Currently being challenged by T10/T11

INCITS Activities

– INCITS approved the T11 annual report, T11/03-432v0. Our next “annual report” is the week of January 26-30, 2004.

INCITS press releases:

– Announcement of FC-BB-2 and HIPPI-6400-OPT

– Special press release on value of FC-BB-2 INCITS activities relevant to T11

Action items from INCITS

– T12 projects are being maintained by INCITS.

– Comments requested to restore wording “freely available standards” for ISO standards. (T11 has no comment).

– The public review of SMI-S will begin when the MOU is complete.

Action items from INCITS

– The annual report provides a limited amount of information about future technology trends for use in the INCITS technology roadmap.

– T11 will identify the standards to be made available on a continuing basis as withdrawn standards.

Action items from INCITS

– 11) The SPB Chairman will review the INCITS TC Liaison list (in030449) to determine how many TCs have relationships with ITU as possible step towards investigating the A5 recommendation agreement with ITU. The results of Mr. Michael's research will be reported at the July 2003 SPB meeting. (Agenda Item 4.3, April 2003 SPB minutes)

(NOTE CRAIG CARLSON ACTION ITEM) Note that ours is not listed.

18.2 TC T10

John Lohmeyer of LSI Logic, Chair of T10, made the following report:

T10 met last in Colorado Springs, CO on Thursday July 10, 2003 with 42 people present. Membership is at 42 voting organizations.

T10 requested minor, but substantive, changes to SAS and, consequently, SAS is now at second public review, which closes September 1, 2003.

The letter ballot comments on SSC-2 were successfully resolved. The first public review on SSC-2 closes September 1, 2003.

There will likely be a second public review on SBP-3 even though there were no public review comments received on the dpANS. Apparently, a change was left out of the working draft to support greater than 64 KiB isochronous data transfers (ref T10/03-265r0).

SPI-5, PIP, and SSM-2 all have been approved and published by ANSI.

Unless proposals are received, T10 plans to recommend that the MSC (SCSI Management Server) project be closed at the November meeting.

The T10 letter ballot on forwarding RBC Amendment #1 to 1PR closed with no negatives received (a first for T10). The public review should begin in August 2003.

Microsoft will host the next plenary meeting of T10 September 11, 2003 in Seattle, WA at the Renaissance Seattle Hotel (206-583-0300). The meeting will begin at 9:00 a.m. on Thursday. Several ad hoc meetings are also scheduled earlier that week and as follows:

Meeting Date Location / Contact

Data Integrity Aug 19 1:00 - 6:00 Denver, CO / Lohmeyer

SG Aug 20 9:00 - 5:00

ADI Calls Bi-weekly To be announced via T10 reflector

SAS Prot Calls To be announced via T10 reflector

SAS PHY Calls To be announced via T10 reflector

The T10 web, ftp, and reflector sites are:

<http://www.t10.org/> mirror site: <http://www.t11.org/t10/>

<ftp://ftp.t10.org/> reflector: majordomo@t10.org

T10 Minutes: http://www.t10.org/t10_mins.htm

18.3 FCIA

Art Edmonds of Hitachi Data Systems made the following report:

FCIA Marketing organization update

Bob Williamsen, McData

FCIA BOD Marketing Chairman Alice Tate

Marketing Manager LoBue & Majdalany Management Group

Lea Schwartz PR & Marketing Communication Consultant

Point PR

Member status report

New Members – August 03

Maxim Integrated Products

Principal Members – 26

Associate Members – 20

Observer Members – 22

Number of Representatives - 918

FCIA Update

FCIA Marketing Activity

FCIA Press Releases:

“SANmark SCD-4001 Announced”

FCIA-Japan 4G vote

Unanimous 4G consensus

InfoStor

4G Fabric Poll

“FCIA Approves 4Gbps SAN Fabrics”

“FCIA Approves 4Gbps SANs”

Byte&Switch

4G Fabric Poll

Tuesday Night Members Update

George Gilder, Author & Entrepreneur

SANmark Status, Bill Martin

SPEED Forum Beyond 4G

Market Requirements Document:

Downward compatibility to 4Gb/s, possibly 2Gb/s (8B/10B, FC-FLA compliant and same connector as present connector)

Cable length:

1 m from drive inside cabinet

10m through line extenders

Price same at comparable premium drive today

2.5-inch FF Target

8 Gb/s

2008 products ship

Bill Ham raised an issue about expectations from T11.2 that FCIA would work with T11.2 in preparing updates to the roadmap.

18.4 Technology Roadmap

None.

18.5 T1X1.5

Chris Janz reported on the recent activities of T1X1.5 that are relevant to T11.

18.6 Other Liaison Reports

None.

19 Administrative Matters

19.1 Officer appointments

T11 TC and TG Officers

· The following persons are the officers for T11 TC:

· Bob Snively (Brocade Communications): Chair

· Ed Grivna (Cypress): Vice-Chair

- Neil Wanamaker (JNI): Secretary
- The following persons are the officers for T11 TGs:
- Schelto Van Doorn (Intel): Chair for T11.2
- Ed Grivna (Cypress): Vice-Chair for T11.2
- Bill Ham (Hewlett-Packard): Secretary for T11.2
- Craig Carlson (QLogic): Chair for T11.3
- George Penokie (Tivoli): Vice-Chair for T11.3
- Bill Martin (Brocade Communications): Secretary for T11.3
- Roger Cummings (Veritas): Chair of T11.5
- Robert Pulley (McData): Vice Chair of T11.5
- Nabin Acharya (Intersan): Secretary of T11.5

19.1.1 Volunteer to act as T11 Secretary, Dec, 2003 (only).

Bob Snively indicated that a Secretary would be required for the December meeting, as the committee Secretary would be unable to attend.

Bill Ham of HP indicated that he had volunteered, pending travel approval by his organization.

19.2 FTP AND WEB SITES FOR T11

Roger Cummings of Veritas made the following presentation:

Status

New server brought online on 6/25

–New IP address –66.155.124.38

–Both FTP and Web site on same machine

•*FTP Server now supports remote admin*

•*Two minor problems in switchover*

–Once document did not get numbered properly

–Home page kept disappearing for 1st day

•*Some uses of old IP address were not caught immediately*

–e.g. URL in Letter ballot reminder

ISO recommendation Letter Ballot generated two replication conflicts

–Thanks to the people who sent messages about the strange links in the current ballot screen

–Don't know why this happened –code not changed recently

•*And the PI-2 Letter Ballot worked perfectly*

–Caused spurious reminders to be mailed out

•*Have included some code to protect against this at least*

•*Have made no changes for the moment*

- Updated two views recently
 - Main “People” (recent attender) view now incorporates new records as well
 - Date in main “Docs” view is now last changed date
- Storm on 7/31 knocked the main page out for 1 hour
 - Storm last Friday meant that the zip files weren’t created that day
- An entry in the People database was hacked on 7/30
 - Thanks to Ed Grivna for noticing
 - Due to Google indexing a very old URL that happened to go to a form that gave some editing privileges
 - Traced back the person who did this –not malicious, just opportunistic
- Have checked that this type of problem cannot reoccur for any of the databases
 - But we need to remain vigilant –if you see something strange please report it!!

Question:

Has anybody seen the problem where fields in a form get blanked when you go back to it after an error message SINCE 6/25?

Two people indicated that they had seen this recently.

New FTP ID

New ID created for editors to upload their source files

- See me if you’ve not received it
- Goes to special directory not viewable via anon
- Can create own subdirectory
- Upload separate files or a zip –your choice

Plans for next two months

- Still need to add some static links to the center page which point to things like the latest T11 Minutes
- Get the T10 mirror back up to date
- Will try to have a prototype of the Action Items database done before October

Addresses for reporting problems

Server problems (web or ftp sites down etc.)

–support@psrsoftware.com

•Mail Reflector problems

–Dap@sbs.com

•Web site design problems

–t11webmaster@psrsoftware.com

•Web site content problems (including membership problems, people and document register listings)

-the officers of the relevant TC or TG.

19.3 Reflectors

No report.

19.4 Other Matters

None.

20 Future meeting schedule

20.1 October Meeting Announcement

The October, 2003 T11 meeting week will be held the week of October 6-10 at the Westin Oklahoma City, One North Broadway, Oklahoma City, OK 73102. Phone: (405) 235-2780 Toll Free Phone: (800) 285-2780 Fax: (405) 232-8752 Group Name: Fujitsu/T11. Cutoff Date: 09/09/2003 Room Rate: \$159 (parking extra).

The host contact is Mike Fitzpatrick, mfitzpatrick@fcpa.fujitsu.com.

20.2 October Meeting Map

T11/03-557v0

```

=====
                        T11 PLENARY WEEK - Oct 6-10, 2003
                        Oklahoma City, OK
Monday                                     Version 08/14/03
10/6           8   9   10  11  12  1   2   3   4   5   6   7   8   9
                +-----+-----+-----+-----+-----+
40/40/40/40    |  FC-MI-2  \lun\      FC-GS-4  |Con|   FC-DA  |
                |          \lun\          |Std|          |
                +-----+-----+-----+-----+-----+
          35/35  |T11.2-MJSQ |lunch|   T11.2-MJSQ  |
                +-----+-----+-----+-----+
Tuesday
10/7           8   9   10  11  12  1   2   3   4   5   6   7   8   9
                +-----+-----+-----+-----+-----+
40/40/40      |  PI-2 Cmts |lunch|  PI-2 Comments |**SFF XCVR**|
                |  Technical |lunch|   Technical  |          |
                +-----+-----+-----+-----+-----+
40/40/50      |   FC-SW-3   \lun\Fabric Extnsn Stdy |   FAIS   |
                +-----+-----+-----+-----+-----+
          20/75                |   FC-AE-2   |SANmrk/FCIA|
                +-----+-----+-----+-----+
          12      |          *** FCIA BOD ***          |
                +-----+-----+-----+-----+
Wednesday
10/8           8   9   10  11  12  1   2   3   4   5   6   7   8   9
                +-----+-----+-----+-----+-----+
50/50/60/100 |  FS-2  |  FC-LS  \lun\      FC-SP          | Reception |
                +-----+-----+-----+-----+-----+
          45/45  |  T11.2 CU WG  |lunch|  T11.2 Opt WG  |
                |  FC-PI-2 Cmts  |lunch|          |
                +-----+-----+-----+-----+
          50/20  |          FAIS  |lun|   FC-AE-2          |
                +-----+-----+-----+-----+
          50/30  |          ** FCIA Members **          |  T11.5 Mgmt |
                +-----+-----+-----+-----+
    
```

Thursday - PLENARY

10/9	8	9	10	11	12	1	2	3	4	5	6	7	8	9
65/80/50/80			T11.2	lun	T11.3	TG5	/	T11						
			Plenary	lun	Plen	Pln	/	PLENARY						
40/10			FC-BB-3	lunch	PHY									
				lunch	Modeling									
20			FC-API/SWAPI											
Friday														
10/10	8	9	10	11	12	1	2	3	4	5	6	7	8	9

* = NOT A T11 MEETING
 \ = if meeting ends early, next meeting starts immediately

20.3 Authorization of Ad Hoc meetings

None

20.4 Request for Hosts - Future meeting Schedule

=====
 08/14/2003
 2003 Through 2005 T11 Meeting Schedules

2003 Dates	Proposed Locations	Host
OCTOBER 6-10	Oklahoma City, OK	Fujitsu
DECEMBER 8-12	Paradise Is., BA	Solution Tech
2004 Dates	Proposed Locations	Host
FEBRUARY 2-6	Dana Point, CA	QLogic
APRIL 5-9	Monterey, CA/Montreal, QB	Brocade
JUNE 7-11	Chicago, IL	Tartan
AUGUST 2-6	Keystone, CO	McData
OCTOBER 4-8	Austin, TX	Crossroads
DECEMBER 6-10	???, CA (?)	Broadcom
2005 Dates	Proposed Locations	Host
FEBRUARY 7-11	Dana Point, CA (?)	QLogic
APRIL 4-8	(?)	Brocade
JUNE 6-10	(?)	
AUGUST 8-12	Rome/Florence, IT (?)	Cisco
OCTOBER 3-7	(?)	
DECEMBER 5-9	(?)	

April 5-9 2004 in Monterey or Montreal.
 June 2004 location confirmed.
 October 2004 location confirmed.

20.5 Guidelines for Hosting

This report has been posted to the website as T11/02-474v0.

21 Review of action items

- 03-001 TG Chairs to update Project Status Sheet.
- 03-002 All editors, when posting drafts, upload zip of source to hidden directory
- 03-040 PI editor (Schelto Van Doorn) to supply ISO text to Gary Robinson
- 03-042 10GFC editor (Rich Taborek) to supply ISO text to Gary Robinson
- 03-061 Craig Carlson/Chair to notify Mr Michaels of existence of ITU-T liaison with T11.3 (Mike Scholten/AM-CC).
- 03-066 Chair to notify JTC1 TAG and INCITS of results of ballot on RapidIO
- 03-067 Chair to conduct a letter ballot on the Request for Interpretation for SBCON (T11/03-467v1).
- 03-068 Chair to conduct a letter ballot on FC-MJSQ rev. 12 (T11/03-042v3)
- 03-069 Chair to forward FC-PI-4 Project Proposal (T11/03-456v1) to INCITS for further processing.
- 03-070 Gary Stephens to provide updated FC-AE project proposals to the chair.
- 03-071 Chair to forward the FC-AE Project Proposals (T11/03-307v1, T11/03-308v1, T11-310v1) to INCITS for further processing.
- 03-072 Craig Carlson to provide FC-GS-3 ISO to IR.
- 03-073 Chair and IR to assist SC25 Secretariat in resolution of the T11 concerns with FC-100-TP.
- 03-074 John Scheible to provide FC-FS ISO to IR.
- 03-075 IR to convey results of ISO votes to HOD for JTC1 TAG.
- 03-076 Chair to forward clarifications contained in T11/03-453v0 to INCITS for further processing, indicating that the changes are non-substantive.
- 03-077 Chair and Secretary to make responses to patent request consistent (re: whether or not it is indicated that they will comply with the ANSI patent policy).
- 03-078 Volunteers from T11.2 (to include Bill Ham) to contact David Allen to ensure that roadmap is updated.
- 03-079 Ed to update guidelines for hosting; to remove hard IP addresses,
- 03-080 Chair to look at T11/03-450v1 to come up with style guide for references.

22 Adjournment

It was moved by Jeanne Truestedt of True Focus and seconded by Paul Levin of Xyratex to adjourn. The motion passed unanimously, and the meeting was adjourned at 6:36 PM EDT.

23 Other Documents

None

*** August, 2003 T11 Plenary Attendance ***

AGERE	John Kulick
AGILENT	Roy Elsbernd
Akara	Chris Janz
Alcoa	Kevin Monroe
Andiamo	Claudio DeSanti
Broadcom	Ali Ghiasi
Brocade	Robert Snively
Brocade	Steven L. Wilson
Cisco	Silvano Gai
CNT	Bret Ketchum
Corning	Doug Coleman
Crossroads	John Tyndall
Cypress Semi	Edward Grivna
E2O	Dave Lewis
EMC	David Black
EMC	Gary S. Robinson
Emulex	Bob Nixon
ENDL	Ralph Weber
FCI	Kevin Oursler
FSI	Gary Stephens
Fujitsu	Mike Fitzpatrick
General Dyna	Kent Lindell
Hitachi	Art Edmonds
Hitachi G S	Werner Glinka
Hitachi GST	Dan Colegrove
HP	Bill Ham
IBM	John Scheible
IBM	Robert Dugan
Intel	Brad Booth
Intel	Schelto Van Doorn
InterSAN	Nabin Acharya
JNI	Neil Wanamaker
LIGHTSAND	Alex Goral
Lockheed Mar	Rick Allison
LSI Logic	John Lohmeyer
Lucent	Bill Krieg
Madison	Andrew Nowak
McDATA	Robert Pulley
Molex	Jay Neer
Newisys	Carl Zeitler
NGC	James Nelson
NGS	Gary Warden
Nishan	Charles Monia
Nortel	Graham Copley

NTT	Shin'ichi Iwano
QLogic	Craig Carlson
SAN Dial	Tim Sheehan
SBS	David Peterson
Seagate	James Coomes
Solution Tec	Robert Kembel
STMicroelect	Gianfranco Scherini
StMicroelectron	Mike Jensen
Storagetek	Matt Gaffney
Sun Micro	Steve Sletten
Sun Microsystem	Vit Novak
Tartan	Rich Taborek
TI	Rajeev Jain
True Focus	Jeanne Truedstedt
TrueFocus	Horst Truedstedt
Tyco	William Ring
Veritas	Roger Cummings
Vixel	Ken Hirata
Xyratex	Paul Levin
Xyratex	Rich Ramos
Xyratex	Tim Courtney

*** August, 2003 T11 Membership ***

Agilent	P	Roy Elsbernd
	A	Narayan Ayalasomayajula
	A#	Gregg Goyins
Akara	P	Chris Janz
Amphenol	P	Michael Wingard
	A	Ron Kleckowski
Ancot	P	Jan V. Dedek
	A	Bart Raudebaugh
Andiamo	P	Claudio DeSanti
	A	Fabio Maino
Brocade	P	Robert Snively
	A	Steven L. Wilson
	A#	Kumar Malavalli
	A#	William R. Martin
Cisco Systems	A#	Jim Kleinsteiber
	P	Silvano Gai
	A	Keith McCloghrie
CNT	P	Bret Ketchum
	A	Mike Morandi
	A#	Bill Collette
	A#	Harry V. Paul
	A#	Brad Solomon
	A#	Gregory Koellner
Corning	P	Doug Coleman
	A	Steven E. Swanson
Crossroads Systems	P	Robert Griswold
	A	John Tyndall
	A#	Bill Moody
Cypress	P	Edward Grivna
E2O	P	Dave Lewis
EMC	P	Gary S. Robinson
	A	Gregory McSorley
Emulex	P	Bob Nixon
	A	David Baldwin
ENDL Texas	P	Ralph Weber
	A	Dal Allan
FCI	P	Kevin Oursler
	A	Rodd Ruland
FSI	P	Gary Stephens
Fujitsu	P	Mike Fitzpatrick
General Dynamics	P	Arne Niska
	A	Kent Lindell
Hitachi DS	P	Art Edmonds

	A	Shoji Kodama
Hitachi GST	P	Dan Colegrove
	A	Werner Glinka
HP	P	Bill Ham
	A	Mark Hamel
IBM	P	John Scheible
	A	Robert Dugan
	A#	George Penokie
INFINEON	P	Richard Johnson
	A	Vasanta Rao
Intel	P	Schelto Van Doorn
	A	Brad Booth
JDS Uniphase	P	Eric Borisch
	A	Effie Favreau
JNI	P	Dirk Colpaart
	A	Neil Wanamaker
Kasten Chase	P	Clement Kent
	A	Kha-Sin Teow
	A#	Mary Kirwan
Lockheed	P	Rick Allison
LSI Logic	P	Curtis Ridgeway
	A	Harmel S. Sangha
	A#	Mark Marlett
	A#	John Lohmeyer
	A#	Louis Odenwald
Lucent	P	Bill Krieg
	A	Andrew Schnable
	A#	Doug Cruickshanks
Madison Cable	P	Andrew Nowak
	A	Jie Fan
McData	P	Michael O'Donnell
	A	Scott Kipp
	A#	Robert Pulley
Molex	P	Jay H. Neer
Network Appliance	P	Tony Aiello
NGS	P	Gary Warden
	A	Gary Stephens
Nishan	P	Charles Monia
	A	Joshua Tseng
NORTEL	P	Graham Copley
NTT-AT	P	Shin'ichi Iwano
	A	Etsuji Sugita
	A#	Osamu Ishida
QLogic	P	Craig Carlson
	A	Skip Jones

	A#	Ed McGlaughlin
SANCastle	P	Alex Goral
	A	Ilya Alexandrovich
Sandial	P	Tim Sheehan
SBS	P	David Peterson
Seagate	P	James Coomes
	A	Allen Kramer
Smiths Aerospace	P	John Schroeder
Solution Technology	P	Robert Kembel
	A	David Deming
ST	P	Mike Jensen
	A	Roland Marbot
StorageTek	P	Matt Gaffney
	A	Joe Gruba
Sun Microsystems	P	Vit Novak
	A	Steve Sletten
SV Systems	P	Murali Rajagopal
Tartan	P	Rich Taborek
	A	Arline Taborek
TrueFocus	P	Horst Truedstedt
	A	Jeanne Truedstedt
Unisys	P	Wayne Gentry
Velio	P	Haluk Aytac
Veritas	P	Roger Cummings
	A	Roger Reich
Vixel	P	Ken Hirata
	A	Kim Gray
Xyratex	P	Paul Levin
	A	Rich Ramos