

AMPHENOL	P..... Michael Wingard
AMPHENOL	A..... Ron Kleckowski
Ancot	P..... Jan V. Dedek
Ancot	A..... Bart Raudebaugh
Broadcom	P..... Ali Ghiasi
Broadcom	A..... Murali Rajagopal
Brocade Comms.	P..... Robert Snively
Brocade Comms.	A..... Steven L. Wilson
Ciena	P..... Chris Janz
Cisco	P..... Silvano Gai
Cisco	A..... Claudio DeSanti
Cisco	A..... Fabio Maino
CNT	P..... David Peterson
CNT	A..... Bret Ketchum
CNT	A#..... Bill Collette
CNT	A#..... Harry V. Paul
CNT	A#..... Brad Solomon
CNT	A#..... Gregory Koellner
Corning	P..... Doug Coleman
Corning	A..... Steve E. Swanson
Crossroads Sys.	P..... John Tyndall
Crossroads Sys.	A..... Dexter Anderson
Crossroads Sys.	A#..... Bill Moody
Cypress	P..... Edward Grivna
Cypress	A..... Gangesh Ganesan
Dot Hill	P..... Elizabeth Rodriguez
E2O	P..... Dave Lewis
E2O	A..... Tom Lindsay
EMC	P..... Gary S. Robinson
EMC	A..... Gregory McSorley
Emulex	P..... Bob Nixon
Emulex	A..... Ken Hirata
ENDL	P..... Ralph Weber
ENDL	A..... Dal Allan
eSilicon Corporation	P..... Frank Barber
eSilicon Corporation	A..... Rakesh Chadha
FCI	P..... Kevin Oursler
FCI	A..... David Sideck
FSI	P..... Gary Stephens
Fujikura	P..... Nabil Osman
Fujikura	A..... Hari Naidu
Fujitsu	P..... Mike Fitzpatrick
General Dynamics	P..... Arne Niska
General Dynamics	A..... Kent Lindell
Hitachi Data Sys	P..... Art Edmonds
Hitachi Data Sys	A..... Shoji Kodama
Hitachi GST	P..... Dan Colegrove
Hitachi GST	A..... Werner Glinka
Hewlett Packard	P..... Bill Ham
Hewlett Packard	A..... Mark Hamel
IBM	P..... John Scheible
IBM	A..... Robert Dugan

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IBM	A#	George Penokie
Infineon	P	Richard Johnson
Infineon	A	Vasanta Rao
Intel	P	Schelto van Doorn
Intel	A	Brad Booth
JDS	P	Eric Borisch
JDS	A	Elfte Favreau
Lightsand	P	Alex Goral
Lightsand	A	Andy Helland
LSI Logic	P	Curtis Ridgeway
LSI Logic	A	Michael Jenkins
LSI Logic	A#	Mark Miquelon
LSI Logic	A#	John Lohmeyer
LSI Logic	A#	Louis Odenwald
Lucent	P	Richard Di Pasquale
McData	P	Michael O'Donnell
McData	A	Scott Kipp
McData	A#	Larry Hofer
Molex	P	Jay Neer
Nortel	P	Graham Copley
Northrop Grumman	P	James Nelson
NTT	P	Shin'ichi Iwano
NTT	A	Etsuji Sugita
NTT	A#	Osamu Ishida
PrecisionFC	P	Gary Warden
PrecisionFC	A	Jing Kwok
QLogic	P	Craig Carlson
QLogic	A	Skip Jones
QLogic	A#	Ed McGlaughlin
SANDial	P	Tim Sheehan
Seagate	P	James Coomes
Seagate	A	Allen Kramer
Smiths Aerospace	P	John Schroeder
Solution Tech.	P	Robert Kembel
Solution Tech.	A	David Deming
ST	P	Gianfranco Scherini
ST	A	Roland Marbot
StorageTek	P	Matt Gaffney
StorageTek	A	Joe Gruba
Sun Microsystems	P	Vit Novak
Sun Microsystems	A	Steve Sletten
Tartan	P	Rich Taborek
Tartan	A	Arline Taborek
TI	P	Rajeev Jain
TI	A	Stephen Spencer
TrueFocus	P	Horst Truedtedt
TrueFocus	A	Jeanne Truedtedt
Tyco	P	Andrew Nowak
Tyco	A	Ashlie Fan
Tyco	A#	Bob Atkinson
Unisys	P	Wayne Gentry
Veritas	P	Roger Cummings

Veritas A..... Roger Reich
Xyratex P..... Paul Levin
Xyratex A..... Rich Ramos

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

Two different media options are available for the Document Subscription Service. They are:

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

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

An application form for the Document Subscription Service is available on the T11 website. If you have questions on the Document Subscription Service, please contact

Lynn Barra (lbarra@itic.org).

4 Document Distribution

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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 (IEEE 802.11b/g access is frequently made available for access to the meeting documents).

5 Approval of Minutes - T11 Meeting #61, Dana Point, CA.

The minutes of meeting #61, February 5, 2003 (T11/04-161v0), were reviewed.

In 5) the form of the movers/seconders was updated.

It was moved by Schelto van Doorn and seconded by Vit Novak to approve the minutes as amended. The motion carried by acclamation.

6 Review of old Action Items

03-001 TG Chairs to update Project Status Sheet.

Ongoing

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

Ongoing.

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

Completed.

03-072 Craig Carlson to provide FC-GS-3 ISO to IR.

Overtaken by events. FC-GS-3 will be replaced by FC-GS-4 for ISO standardization.

04-001 Chair to confirm that INCITS notified of withdrawal of FC-SB

Completed. Notification by e-mail from INCITS on Feb 5, 2004.

04-002 Chair to confirm that Feb 03 reaffirmations/withdrawals conveyed to INCITS.

Completed. Letter is T11/03-123v0.

04-003 Rich Taborek to post corrected version of 10GFC.

Completed. See T11/04-263v0

04-004 Chair to provide access information for 10GFC draft (Harvey Rosenfeld) to Rich Taborek.

Completed. E-mail of February 20, 2004.

04-005 Rich Taborek to provide update to 10GFC draft.

Redundant with 04-003. Completed.

04-006 Chair to produce T11 Liaison report for T10

Completed. See T11/04-185v0.

04-007 Chair to provide INCITS report in TGs.

TG chairs reminded to place this on their agendas, March 5, 2004.

See T11/04-164v1, T11/04-184v1, and T11/04-188v1.

04-008 Chair to ensure that the withdrawn but maintained (still available documents) are handled correctly by INCITS.

Email sent on March 5 to determine procedures. Reminder March 26.

04-009 Roger Cummings to investigate projects associated with withdrawn standards be made accessible on the website.

In progress.

04-010 Chair to forward results of 5-year maintenance

Completed. See T11/04-194v0.

04-011 Chair to put withdrawal actions for FC-AL and FC-SB-2 on April agenda.

Completed. See T11/04-181v0.

04-012 Chair to post to T11 reflector message to solicit whether there is interest in RFC2625 becoming an IETF draft standard, and whether there are interoperable implementations.

Completed. See e-mail of March 5, 2004.

04-013 Chair to forward FC-GS-5 Project Proposal to INCITS for further processing.

Completed. See T11/04-157v0.

04-014 Chair to forward FC-GS-4 rev. 7.91 to INCITS for further processing, including First Public Review.

Completed. See T11/04-162v0.

04-015 Chair to forward FC-HBA (04-137v0) to INCITS for further processing, including First Public Review.

Completed. See T11-04-160v0.

04-016 IR to create NWI for FC-SW-2.

Completed. See T11/04-234v0.

04-017 Chair to include Cisco in call for patents.

Completed. See meeting disk contents.

04-018 Officers to review static HTML for membership on website.

In progress.

04-019 T11 Webmaster to put result of vote on meeting hosts on webpage.

In progress.

04-020 Vice-Chair to update guide for meeting hosts reflecting result of vote on meeting approval

Completed. See T11/04-244v0.

Other Action Items

Chair to establish second T11 letter ballot to forward FC-MJSQ revision 13 to INCITS for processing as a technical report.

Completed. See T11/04-187v0.

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 (T11/04-251v1):

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1) Project proposals approved:

FC-GS-5

The project proposal for FC-GS-5 was approved and assigned to INCITS TC T11. The project is #1677-D, Information technology - Fibre Channel Generic Services-5 (FC-GS-5).

The official notification is at:

<http://www.ncits.org/archive/2004/in040326/in040326.htm>

2) Documents in approval process:

FC-SW-3

The management review for INCITS 384 - Information Technology - Fibre Channel Switch Fabric Third Generation (FC-SW-3) will be placed on April 2004 INCITS agenda for review and approval. After the INCITS April 2004 meeting, the BSR-9 will be submitted to ANSI for their approval.

FC-HBA

The public review for INCITS 387 - Information technology - Fibre Channel HBA API (FC-HBA) ends on April 12, 2004. INCITS will try to get this draft on the April 2004 INCITS agenda for management review as a late document. If that is not possible, then there will be a 17-day process for the management review, followed by a 30-day letter ballot for final INCITS approval. After INCITS 30-day letter ballot, the BSR-9 will be submitted to ANSI for their approval.

FC-GS-4

The public review for INCITS 387 - Information technology - Fibre Channel Generic Services-4 (FC-GS-4) ends on April 12, 2004. INCITS will try to get this draft on the April 2004 INCITS agenda for management review as a late document. If that is not possible, then there will be a 17-day process for the management review, followed by a 30-day letter ballot for final INCITS approval. After INCITS 30-day letter ballot, the BSR-9 will be submitted to ANSI for their approval.

Action items required by INCITS:

Withdrawn standards list

The INCITS Secretariat will request that TC Chairmen provide a list of withdrawn standards they would like to make available. Identified T10 and T11 Standards will serve as the test case. The Secretariat will work with ITI legal counsel to ensure the appropriate disclaimers and legal warnings, as well as IP issues, are addressed and incorporated in the documentation. The Secretariat will post the list of withdrawn standards on the INCITS web site including information on how to obtain them. The Secretariat will contact ANSI to determine whether or not there are procedural/accreditation impediments to making withdrawn standards available. (Agenda Item 8.2, November 2002

INCITS EB minutes - IT/02-1276)

List of documents for possible archived withdrawal includes the following. Items in red (*italicized*) are proposed not to be archived. Items in blue (*non-italicized*) are proposed to be archived.

2000

Intelligent Peripheral Interface (IPI)- Enhanced Device Specific command Set for Magnetic Disk Drives (Enhanced IPI-2 Disk): Standard X3.236:1995

2001

FC-LE, ANSI X3.287:1996

FC-SB, ANSI X3.271:1996

FC-GS, ANSI X3.288:1996

2002

IPI-3 Disk, ANSI X3.291:1997.

IPI-3 Tape, X3.290:1997

HIPPI-ATM, ANSI X3.299:1997.

2003

Fibre Channel - Switched Fabric & Switched Control Requirements (FC-SW) (Formerly FC-XS), INCITS 321 :1998 []

2004

FC-FP, INCITS 254 :1994 [R1999]

FC-10KCR, INCITS 326 :1999

FC-GS-2, INCITS 288 :1999

Candidates for future withdrawals depend on completing the required replacement documents.

FC-PH (ANSI/INCITS 230-1994)

FC-PH Amendment 1 (ANSI/INCITS 230-1994 Addendum 1:1996)

(Replaced by FC-FS and FC-PI)

FC-PH-2 (ANSI/INCITS 297-1997)

(Replaced by FC-FS and FC-PI)

FC-PH-3 (INCITS 303-1998)

(Replaced by FC-FS and FC-PI)

FC-AL (ANSI/INCITS 272-1996)

(Replaced by FC-AL-2)

FC-GS-2 (INCITS 288-1999)

(Replaced by FC-GS-3)

FC-SB-2 (INCITS 349-2001)

(Replaced by FC-SB-3)

FC-SW (ANSI/INCITS 321-1998)

(Replaced by FC-SW-2)

8 Results of Non-ISO Letter Ballot

8.1 FC-MJSQ

The Letter Ballot passed, 40 Affirmative, 2 Negative, 10 Abstain, 2 Not voting. This meets the two-thirds rule.

4 Affirmative ballots had comments.

9 Old Business

9.1 Consideration of standards to be withdrawn

See 7.2.

To be carried forward.

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 46

Optical WG – Rich Taborek

- *FC-PI-2 Comment Resolution – Optical Comments*
 - o *All technical comments resolved. Several clarifications have been completed.*

Electrical WG – Mike Jenkins

- *FC-PI-2 comment resolution – Electrical Comments*
 - o *All technical comments resolved.*

Motion from the electrical and optical ad hocs that T11.2 authorize a study group within the existing T11.2 ad hocs to address 8.5 GBd variants. The objectives of this group shall be to define scope, define general technical direction, estimate schedule and recommend the standards project(s) that should contain the 8.5 GBd variants.

31 in favor, 0 against, 0 abstain. Motion passes.

MJSQ – Bill Ham

- *The second T11 letter ballot passed*
- *300 comments submitted and all technical resolved in WG*
- *Expected to complete a new LB by next meeting*

FCSM-2 Dean Wallace

- *Discussing model generation requirements*

FC-PI-2 - Greg McSorley

- *All technical FC-PI-2 comments resolved*
- *A new Rev 5 will go out for T11 LB before next plenary.*

10.2 Proposals for new projects

None

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:

41 Members

Development

Conformance Study – SCD-3020, and SCD-4010 are complete

Fabric Expansion Study – Extended Headers and VFT Headers moved to FC-FS-2, FR Header work is ongoing, Refined customer input/requirements

FC-AE-x – Jim Nelson new Working Group Chair

FC-BB-3 – Chris Janz new editor, FC-BB-3_Sonet Network Models

FC-FS-2 – New draft 0.1, New F_RJT code, editorial clean-up

FC-GS-5 – First meeting, reviewed project proposal tasks, Ping and Trace Route

FC-LS – First draft 0.2, various clean-up items

FC-MI-2 – ELS Login Requirements, FLA inclusions, RSCN zoning change notification, Fx_Port operation, draft review

FC-SP – Reviewed Rev 1.4 of draft; target for June LB, NIST recommendation for high speed AES

FC-SW-4 – First meeting, reviewed upcoming items

Approval

FC-DA – All comments addressed. Will be forwarding in June.

11.2 Proposals for new projects

11.2.1 FC-SB-4 (T11/04-xxxv0)

This was not ready for forwarding.

11.3 T11.3 Actions

11.4 Other Items

11.4.1 Consideration of Draft Standard status for IP over FC.

It was moved by Craig Carlson, on behalf of T11.3, to form an informal T11 Study Group to explore IPv4 over FC.

The motion carried 41 For, 0 Opposed, with 0 Abstaining and 14 Not Voting.

11.4.2 NIST AES request

It was moved by Craig Carlson, on behalf of T11.3, that T11 accept the e-mail defined in T11/04-245v1 (Recommendation to NIST for High Speed AES), to be sent to NIST as a T11 position.

The motion carried unanimously.

11.4.3 Replacement of FC-GS-3 ISO with FC-GS-4

Deferred for consideration with ISO matters.

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

None

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:

- *43 people attended Plenary #10 on Thursday 4/8*
- *NGS & Andiamo lost membership, Precision FC gained membership. Membership of T11.5 is now 32 orgs*
- *Ad Hoc Reports*
 - *FC-SWAPI Ad Hoc*
 - *15 people present on 4/6*
 - *All 976 SWAPI comments resolved, new rev to be posted*
 - *SM-HBA PP reviewed, minor changes made, sent to T11.5*
 - *Management Ad Hoc*
 - *10 people attended on 4/7*
 - *Made another call for editors for SM-AMD & SM-MM*
 - *Changed name of SM-DMM to -FAM (04-079v1), made changes to NSM (04-080v1) as well*
 - *Agreed to request T11 LBs on v2 of FAM & NSM*
 - *Reviewed SM-RTM PP, made minor changes and agree to forward 206v1*
 - *Deferred consideration of SM-FSM PP*
- *FAIS*
 - *Met on 3/9 & 4/6&7*
 - *Resolved 259 of 301 LB comments on Requirements Doc*

13.2 Proposals for New Projects

13.2.1 SM-HBA (T11/04-205v0)

It was moved by Roger Cummings, on behalf of T11.5, that T11 request a new INCITS project titled Storage Management - Host Bus Adapter (SM-HBA) as defined in T11/04-205v1.

Carried 39-0-1-15

13.2.2 SM-RTM (T11/04-206v1)

It was moved by Roger Cummings, on behalf of T11.5, that T11 request a new INCITS project titled Storage Management - Routing Information MIB (SM-RTM) as defined in T11/04-206v1.

Carried 39-0-1-15

13.2.3 SM-FSM (T11/04-207v0)

No action at this time.

13.2.4 SM-NSM (T11/04-080v2)

Roger Cummings requested, on behalf of T11.5, that T11 hold a Letter Ballot on a study project titled Storage Management, Fibre Channel Name Server MIB (SM-NSM) as defined in T11/04-080v2.

This was accepted by the chair.

13.2.5 SM-FAM (T11/04-079v2)

Roger Cummings requested, on behalf of T11.5, that T11 hold a Letter Ballot on a study project titled Storage

Management, Fabric Address Management MIB, as defined in T11/04-079v2.

13.3 T11.5 Actions

13.4 Other Items

None

14 Review of International Activity

14.1 ISO Status Report

Gary Robinson of EMC, T11 IR, made a report on ISO status (T11/04-233v1):

1. Project 1.25.13.13.15 - Fibre Channel (FC) Generic Services-3 (FC-GS-3) [14165-413]
Waiting for ISO text
2. Project 1.25.13.13.18 - Fibre Channel (FC) Audio-Visual Transport (FC-AV) [14165-321]
FCD Approved. T11 must approve FDIS.
3. Project 1.25.13.13.20 - Fibre Channel (FC) Back Bone (FC-BB-2) [14165-241] FCD
Submitted 25n894, text needs a little more fixing then will go to ballot. T11 voted YES. T11/04-038v0
4. Project 1.25.13.13.21 - Fibre Channel (FC) 100 Twisted Pair (FC-100-TP) [14165-114]
German editors action required
5. Project 1.25.13.13.22 - Fibre Channel (FC) Framing and Signaling Interface (FC-FS)
[14165-251] US contributed FCD text, T11 needs to vote to approve FCD
6. Project 1.25.13.13.24 - Fibre Channel (FC) Physical Interface (FC-PI) [14165-115] IR sent FCD text to US, US needs to contribute to SC25, T11 needs to vote to approve FCD
7. Project 1.25.13.13.25 - Fibre Channel (FC) Switch Fabric-2 (FC-SW-2) [14165-132] New
Work Item Proposal T11/04-234v0, needs to be approved.
8. Project 1.25.13.13.26 - Fibre Channel (FC) Virtual Interface Architecture Mapping (FC-VI)
[14165-331] FCD approved. Text needs updating, T11 needs to approve FDIS
9. Project 1.25.13.13.27 - Fibre Channel 10 Gigabit (10GFC) [14165-116] Sent to US for contribution to SC25, T11 needs to vote to approve FCD
10. Project 1.25.13.13.nn - Technical Report for Fibre Channel - Methodologies for Jitter and Signal Quality Specification, - MJSQ [14165-116] NWIP submitted) 25n926a, US voted YES
11. Project 1.25.13.13.nn - Fibre Channel (FC) Arbitrated Loop-2 Amendment 1 (FC-AL-2)
NWIP 14165-122, T11 submitted NWIP, T11/03-734v0/04-041v0

14.2 ISO Motions and Actions

The following motions were made by Gary Robinson, T11 IR, and seconded by Bob Snively, T11 Chair:

MOTION 1:

T11 has reviewed project 1.25.13.13.22: FCD 14165-251: FC-FS, and recommends that the JTC1/SC25 TAG vote to approve said FCD.

The result of the rollcall vote (US domiciled organizations only) was:

Agere	P.....	John Kulick	nv
Agere	A.....	Jeffrey Saunders	
Agilent	P.....	Roy Elsbernd	y
Agilent	A.....	Narayan Ayalasomayajula	
Agilent	A#.....	Gregg Goyins	
AMCC	P.....	Neil Wanamaker	y
AMCC	A.....	Mike Scholten	
AMPHENOL	P.....	Michael Wingard	nv
AMPHENOL	A.....	Ron Kleckowski	
Ancot	P.....	Jan V. Dedek	y
Ancot	A.....	Bart Raudebaugh	
Broadcom	P.....	Ali Ghiasi	nv
Broadcom	A.....	Murali Rajagopal	
Brocade Comms.	P.....	Robert Snively	
Brocade Comms.	A.....	Steven L. Wilson	y
Ciena	P.....	Chris Janz	y
Cisco	P.....	Silvano Gai	y
Cisco	A.....	Claudio DeSanti	
Cisco	A.....	Fabio Maino	
CNT	P.....	David Peterson	y
CNT	A.....	Bret Ketchum	
CNT	A#.....	Bill Collette	
CNT	A#.....	Harry V. Paul	
CNT	A#.....	Brad Solomon	
CNT	A#.....	Gregory Koellner	
Corning	P.....	Doug Coleman	nv
Corning	A.....	Steve E. Swanson	
Crossroads Sys.	P.....	John Tyndall	
Crossroads Sys.	A.....	Dexter Anderson	y
Crossroads Sys.	A#.....	Bill Moody	
Cypress	P.....	Edward Grivna	nv
Cypress	A.....	Gangesh Ganesan	
Dot Hill	P.....	Elizabeth Rodriguez	y
E2O	P.....	Dave Lewis	y
E2O	A.....	Tom Lindsay	
EMC	P.....	Gary S. Robinson	y
EMC	A.....	Gregory McSorley	
Emulex	P.....	Bob Nixon	y
Emulex	A.....	Ken Hirata	
ENDL	P.....	Ralph Weber	y
ENDL	A.....	Dal Allan	
eSilicon Corporation	P.....	Frank Barber	y
eSilicon Corporation	A.....	Rakesh Chadha	
FCI	P.....	Kevin Oursler	nv
FCI	A.....	David Sideck	
FSI	P.....	Gary Stephens	y
Fujikura	P.....	Nabil Osman	nv
Fujikura	A.....	Hari Naidu	
Fujitsu	P.....	Mike Fitzpatrick	y
General Dynamics	P.....	Arne Niska	nv
General Dynamics	A.....	Kent Lindell	
Hitachi Data Sys	P.....	Art Edmonds	

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Hitachi Data Sys	A.....	Shoji Kodama	y
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	y
Infineon	A.....	Vasanta Rao	
Intel	P.....	Schelto van Doorn	y
Intel	A.....	Brad Booth	
JDS	P.....	Eric Borisch	y
JDS	A.....	Elfte Favreau	
Lightsand	P.....	Alex Goral	nv
Lightsand	A.....	Andy Helland	
LSI Logic	P.....	Curtis Ridgeway	y
LSI Logic	A.....	Michael Jenkins	
LSI Logic	A#.....	Mark Miquelon	
LSI Logic	A#.....	John Lohmeyer	
LSI Logic	A#.....	Louis Odenwald	
Lucent	P.....	Richard Di Pasquale	y
McData	P.....	Michael O'Donnell	
McData	A.....	Scott Kipp	y
McData	A#.....	Larry Hofer	
Molex	P.....	Jay Neer	nv
Nortel	P.....	Graham Copley	ne
Northrop Grumman	P.....	James Nelson	y
NTT	P.....	Shin'ichi Iwano	ne
NTT	A.....	Etsuji Sugita	
NTT	A#.....	Osamu Ishida	
PrecisionFC	P.....	Gary Warden	y
PrecisionFC	A.....	Jing Kwok	
QLogic	P.....	Craig Carlson	y
QLogic	A.....	Skip Jones	
QLogic	A#.....	Ed McGlaughlin	
SANDial	P.....	Tim Sheehan	y
Seagate	P.....	James Coomes	y
Seagate	A.....	Allen Kramer	
Smiths Aerospace	P.....	John Schroeder	nv
Solution Tech.	P.....	Robert Kembel	y
Solution Tech.	A.....	David Deming	
ST	P.....	Gianfranco Scherini	ne
ST	A.....	Roland Marbot	
StorageTek	P.....	Matt Gaffney	y
StorageTek	A.....	Joe Gruba	
Sun Microsystems	P.....	Vit Novak	y
Sun Microsystems	A.....	Steve Sletten	
Tartan	P.....	Rich Taborek	
Tartan	A.....	Arline Taborek	y
TI	P.....	Rajeev Jain	y
TI	A.....	Stephen Spencer	

TrueFocus	P.....	Horst Truestedt	
TrueFocus	A.....	Jeanne Truestedt	y
Tyco	P.....	Andrew Nowak	y
Tyco	A.....	Ashlie Fan	
Tyco	A#.....	Bob Atkinson	
Unisys	P.....	Wayne Gentry	nv
Veritas	P.....	Roger Cummings	y
Veritas	A.....	Roger Reich	
Xyratex	P.....	Paul Levin	ne
Xyratex	A.....	Rich Ramos	

The motion carried 39 For, 0 Opposed, with 0 Abstaining and 12 Not Voting. This meets the two-thirds rule.

MOTION 2:

T11 has reviewed project 1.25.13.13.24: FCD 14165-115: FC-PI, and recommends that the JTC1/SC25 TAG vote to approve said FCD.

The result of the rollcall vote (US domiciled organizations only) was:

Agere	P.....	John Kulick	nv
Agere	A.....	Jeffrey Saunders	
Agilent	P.....	Roy Elsbernd	y
Agilent	A.....	Narayan Ayalasomayajula	
Agilent	A#.....	Gregg Goyins	
AMCC	P.....	Neil Wanamaker	y
AMCC	A.....	Mike Scholten	
AMPHENOL	P.....	Michael Wingard	nv
AMPHENOL	A.....	Ron Kleckowski	
Ancot	P.....	Jan V. Dedek	y
Ancot	A.....	Bart Raudebaugh	
Broadcom	P.....	Ali Ghiasi	nv
Broadcom	A.....	Murali Rajagopal	
Brocade Comms.	P.....	Robert Snively	
Brocade Comms.	A.....	Steven L. Wilson	y
Ciena	P.....	Chris Janz	y
Cisco	P.....	Silvano Gai	y
Cisco	A.....	Claudio DeSanti	
Cisco	A.....	Fabio Maino	
CNT	P.....	David Peterson	y
CNT	A.....	Bret Ketchum	
CNT	A#.....	Bill Collette	
CNT	A#.....	Harry V. Paul	
CNT	A#.....	Brad Solomon	
CNT	A#.....	Gregory Koellner	
Corning	P.....	Doug Coleman	nv
Corning	A.....	Steve E. Swanson	
Crossroads Sys.	P.....	John Tyndall	
Crossroads Sys.	A.....	Dexter Anderson	y
Crossroads Sys.	A#.....	Bill Moody	
Cypress	P.....	Edward Grivna	nv
Cypress	A.....	Gangesh Ganesan	
Dot Hill	P.....	Elizabeth Rodriguez	y

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E2O	P	Dave Lewis	y
E2O	A	Tom Lindsay	
EMC	P	Gary S. Robinson	y
EMC	A	Gregory McSorley	
Emulex	P	Bob Nixon	y
Emulex	A	Ken Hirata	
ENDL	P	Ralph Weber	y
ENDL	A	Dal Allan	
eSilicon Corporation	P	Frank Barber	y
eSilicon Corporation	A	Rakesh Chadha	
FCI	P	Kevin Oursler	nv
FCI	A	David Sideck	
FSI	P	Gary Stephens	y
Fujikura	P	Nabil Osman	nv
Fujikura	A	Hari Naidu	
Fujitsu	P	Mike Fitzpatrick	y
General Dynamics	P	Arne Niska	nv
General Dynamics	A	Kent Lindell	
Hitachi Data Sys	P	Art Edmonds	
Hitachi Data Sys	A	Shoji Kodama	y
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	y
Infineon	A	Vasanta Rao	
Intel	P	Schelto van Doorn	y
Intel	A	Brad Booth	
JDS	P	Eric Borisch	y
JDS	A	Elfte Favreau	
Lightsand	P	Alex Goral	nv
Lightsand	A	Andy Helland	
LSI Logic	P	Curtis Ridgeway	y
LSI Logic	A	Michael Jenkins	
LSI Logic	A#	Mark Miquelon	
LSI Logic	A#	John Lohmeyer	
LSI Logic	A#	Louis Odenwald	
Lucent	P	Richard Di Pasquale	y
McData	P	Michael O'Donnell	
McData	A	Scott Kipp	y
McData	A#	Larry Hofer	
Molex	P	Jay Neer	nv
Nortel	P	Graham Copley	ne
Northrop Grumman	P	James Nelson	y
NTT	P	Shin'ichi Iwano	ne
NTT	A	Etsuji Sugita	
NTT	A#	Osamu Ishida	
PrecisionFC	P	Gary Warden	y
PrecisionFC	A	Jing Kwok	

QLogic	P.....	Craig Carlson	y
QLogic	A.....	Skip Jones	
QLogic	A#.....	Ed McGlaughlin	
SANDial	P.....	Tim Sheehan	y
Seagate	P.....	James Coomes	y
Seagate	A.....	Allen Kramer	
Smiths Aerospace	P.....	John Schroeder	nv
Solution Tech.	P.....	Robert Kembel	y
Solution Tech.	A.....	David Deming	
ST	P.....	Gianfranco Scherini	ne
ST	A.....	Roland Marbot	
StorageTek	P.....	Matt Gaffney	y
StorageTek	A.....	Joe Gruba	
Sun Microsystems	P.....	Vit Novak	y
Sun Microsystems	A.....	Steve Sletten	
Tartan	P.....	Rich Taborek	
Tartan	A.....	Arline Taborek	y
TI	P.....	Rajeev Jain	y
TI	A.....	Stephen Spencer	
TrueFocus	P.....	Horst Truedstedt	
TrueFocus	A.....	Jeanne Truedstedt	y
Tyco	P.....	Andrew Nowak	y
Tyco	A.....	Ashlie Fan	
Tyco	A#.....	Bob Atkinson	
Unisys	P.....	Wayne Gentry	nv
Veritas	P.....	Roger Cummings	y
Veritas	A.....	Roger Reich	
Xyratex	P.....	Paul Levin	ne
Xyratex	A.....	Rich Ramos	

The motion carried 39 For, 0 Opposed, with 0 Abstaining and 12 Not Voting. This meets the two-thirds rule.

MOTION 3:

T11 has reviewed project 1.25.13.13.27: FCD 14165-116: FC-10GFC, and recommends that the JTC1/SC25 TAG vote to approve said FCD.

The result of the rollcall vote (US domiciled organizations only) was:

Agere	P.....	John Kulick	nv
Agere	A.....	Jeffrey Saunders	
Agilent	P.....	Roy Elsbernd	y
Agilent	A.....	Narayan Ayalasomayajula	
Agilent	A#.....	Gregg Goyins	
AMCC	P.....	Neil Wanamaker	y
AMCC	A.....	Mike Scholten	
AMPHENOL	P.....	Michael Wingard	nv
AMPHENOL	A.....	Ron Kleckowski	
Ancot	P.....	Jan V. Dedek	y
Ancot	A.....	Bart Raudebaugh	
Broadcom	P.....	Ali Ghiasi	nv
Broadcom	A.....	Murali Rajagopal	
Brocade Comms.	P.....	Robert Snively	

Brocade Comms.	A..... Steven L. Wilson	y
Ciena	P..... Chris Janz	y
Cisco	P..... Silvano Gai	y
Cisco	A..... Claudio DeSanti	
Cisco	A..... Fabio Maino	
CNT	P..... David Peterson	y
CNT	A..... Bret Ketchum	
CNT	A#..... Bill Collette	
CNT	A#..... Harry V. Paul	
CNT	A#..... Brad Solomon	
CNT	A#..... Gregory Koellner	
Corning	P..... Doug Coleman	nv
Corning	A..... Steve E. Swanson	
Crossroads Sys.	P..... John Tyndall	
Crossroads Sys.	A..... Dexter Anderson	y
Crossroads Sys.	A#..... Bill Moody	
Cypress	P..... Edward Grivna	nv
Cypress	A..... Gangesh Ganesan	
Dot Hill	P..... Elizabeth Rodriguez	y
E2O	P..... Dave Lewis	y
E2O	A..... Tom Lindsay	
EMC	P..... Gary S. Robinson	y
EMC	A..... Gregory McSorley	
Emulex	P..... Bob Nixon	y
Emulex	A..... Ken Hirata	
ENDL	P..... Ralph Weber	y
ENDL	A..... Dal Allan	
eSilicon Corporation	P..... Frank Barber	y
eSilicon Corporation	A..... Rakesh Chadha	
FCI	P..... Kevin Oursler	nv
FCI	A..... David Sideck	
FSI	P..... Gary Stephens	y
Fujikura	P..... Nabil Osman	nv
Fujikura	A..... Hari Naidu	
Fujitsu	P..... Mike Fitzpatrick	y
General Dynamics	P..... Arne Niska	nv
General Dynamics	A..... Kent Lindell	
Hitachi Data Sys	P..... Art Edmonds	
Hitachi Data Sys	A..... Shoji Kodama	y
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	y
Infineon	A..... Vasanta Rao	
Intel	P..... Schelto van Doorn	y
Intel	A..... Brad Booth	
JDS	P..... Eric Borisch	y
JDS	A..... Elfte Favreau	

Lightsand	P..... Alex Goral	nv
Lightsand	A..... Andy Helland	
LSI Logic	P..... Curtis Ridgeway	y
LSI Logic	A..... Michael Jenkins	
LSI Logic	A#..... Mark Miquelon	
LSI Logic	A#..... John Lohmeyer	
LSI Logic	A#..... Louis Odenwald	
Lucent	P..... Richard Di Pasquale	y
McData	P..... Michael O'Donnell	
McData	A..... Scott Kipp	y
McData	A#..... Larry Hofer	
Molex	P..... Jay Neer	nv
Nortel	P..... Graham Copley	ne
Northrop Grumman	P..... James Nelson	y
NTT	P..... Shin'ichi Iwano	ne
NTT	A..... Etsuji Sugita	
NTT	A#..... Osamu Ishida	
PrecisionFC	P..... Gary Warden	y
PrecisionFC	A..... Jing Kwok	
QLogic	P..... Craig Carlson	y
QLogic	A..... Skip Jones	
QLogic	A#..... Ed McGlaughlin	
SANDial	P..... Tim Sheehan	y
Seagate	P..... James Coomes	y
Seagate	A..... Allen Kramer	
Smiths Aerospace	P..... John Schroeder	nv
Solution Tech.	P..... Robert Kembel	y
Solution Tech.	A..... David Deming	
ST	P..... Gianfranco Scherini	ne
ST	A..... Roland Marbot	
StorageTek	P..... Matt Gaffney	y
StorageTek	A..... Joe Gruba	
Sun Microsystems	P..... Vit Novak	y
Sun Microsystems	A..... Steve Sletten	
Tartan	P..... Rich Taborek	
Tartan	A..... Arline Taborek	y
TI	P..... Rajeev Jain	y
TI	A..... Stephen Spencer	
TrueFocus	P..... Horst Truedtedt	
TrueFocus	A..... Jeanne Truedtedt	y
Tyco	P..... Andrew Nowak	y
Tyco	A..... Ashlie Fan	
Tyco	A#..... Bob Atkinson	
Unisys	P..... Wayne Gentry	nv
Veritas	P..... Roger Cummings	y
Veritas	A..... Roger Reich	
Xyratex	P..... Paul Levin	ne
Xyratex	A..... Rich Ramos	

The motion carried 39 For, 0 Opposed, with 0 Abstaining and 12 Not Voting. This meets the two-thirds rule.

MOTION 4:

T11 has reviewed FDIS project .25.13.13.18 - Fibre Channel (FC) Audio-Visual Transport (FCAV) [14165-321] and recommends that the JTC1 TAG vote to approve said FDIS.

The result of the rollcall vote (US domiciled organizations only) was:

Agere	P.....	John Kulick	nv
Agere	A.....	Jeffrey Saunders	
Agilent	P.....	Roy Elsbernd	y
Agilent	A.....	Narayan Ayalasomayajula	
Agilent	A#.....	Gregg Goyins	
AMCC	P.....	Neil Wanamaker	y
AMCC	A.....	Mike Scholten	
AMPHENOL	P.....	Michael Wingard	nv
AMPHENOL	A.....	Ron Kleckowski	
Ancot	P.....	Jan V. Dedek	y
Ancot	A.....	Bart Raudebaugh	
Broadcom	P.....	Ali Ghiasi	nv
Broadcom	A.....	Murali Rajagopal	
Brocade Comms.	P.....	Robert Snively	
Brocade Comms.	A.....	Steven L. Wilson	y
Ciena	P.....	Chris Janz	y
Cisco	P.....	Silvano Gai	y
Cisco	A.....	Claudio DeSanti	
Cisco	A.....	Fabio Maino	
CNT	P.....	David Peterson	y
CNT	A.....	Bret Ketchum	
CNT	A#.....	Bill Collette	
CNT	A#.....	Harry V. Paul	
CNT	A#.....	Brad Solomon	
CNT	A#.....	Gregory Koellner	
Corning	P.....	Doug Coleman	nv
Corning	A.....	Steve E. Swanson	
Crossroads Sys.	P.....	John Tyndall	
Crossroads Sys.	A.....	Dexter Anderson	y
Crossroads Sys.	A#.....	Bill Moody	
Cypress	P.....	Edward Grivna	nv
Cypress	A.....	Gangesh Ganesan	
Dot Hill	P.....	Elizabeth Rodriguez	y
E2O	P.....	Dave Lewis	y
E2O	A.....	Tom Lindsay	
EMC	P.....	Gary S. Robinson	y
EMC	A.....	Gregory McSorley	
Emulex	P.....	Bob Nixon	y
Emulex	A.....	Ken Hirata	
ENDL	P.....	Ralph Weber	y
ENDL	A.....	Dal Allan	
eSilicon Corporation	P.....	Frank Barber	y
eSilicon Corporation	A.....	Rakesh Chadha	
FCI	P.....	Kevin Oursler	nv
FCI	A.....	David Sideck	
FSI	P.....	Gary Stephens	y
Fujikura	P.....	Nabil Osman	nv
Fujikura	A.....	Hari Naidu	

Fujitsu	P.....	Mike Fitzpatrick	y
General Dynamics	P.....	Arne Niska	nv
General Dynamics	A.....	Kent Lindell	
Hitachi Data Sys	P.....	Art Edmonds	
Hitachi Data Sys	A.....	Shoji Kodama	y
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	y
Infineon	A.....	Vasanta Rao	
Intel	P.....	Schelto van Doorn	y
Intel	A.....	Brad Booth	
JDS	P.....	Eric Borisch	y
JDS	A.....	Elfte Favreau	
Lightsand	P.....	Alex Goral	nv
Lightsand	A.....	Andy Helland	
LSI Logic	P.....	Curtis Ridgeway	y
LSI Logic	A.....	Michael Jenkins	
LSI Logic	A#.....	Mark Miquelon	
LSI Logic	A#.....	John Lohmeyer	
LSI Logic	A#.....	Louis Odenwald	
Lucent	P.....	Richard Di Pasquale	y
McData	P.....	Michael O'Donnell	
McData	A.....	Scott Kipp	y
McData	A#.....	Larry Hofer	
Molex	P.....	Jay Neer	nv
Nortel	P.....	Graham Copley	ne
Northrop Grumman	P.....	James Nelson	y
NTT	P.....	Shin'ichi Iwano	ne
NTT	A.....	Etsuji Sugita	
NTT	A#.....	Osamu Ishida	
PrecisionFC	P.....	Gary Warden	y
PrecisionFC	A.....	Jing Kwok	
QLogic	P.....	Craig Carlson	y
QLogic	A.....	Skip Jones	
QLogic	A#.....	Ed McGlaughlin	
SANdial	P.....	Tim Sheehan	y
Seagate	P.....	James Coomes	y
Seagate	A.....	Allen Kramer	
Smiths Aerospace	P.....	John Schroeder	nv
Solution Tech.	P.....	Robert Kembel	y
Solution Tech.	A.....	David Deming	
ST	P.....	Gianfranco Scherini	ne
ST	A.....	Roland Marbot	
StorageTek	P.....	Matt Gaffney	y
StorageTek	A.....	Joe Gruba	
Sun Microsystems	P.....	Vit Novak	y
Sun Microsystems	A.....	Steve Sletten	

Tartan	P..... Rich Taborek	
Tartan	A..... Arline Taborek	y
TI	P..... Rajeev Jain	y
TI	A..... Stephen Spencer	
TrueFocus	P..... Horst Truestedt	
TrueFocus	A..... Jeanne Truestedt	y
Tyco	P..... Andrew Nowak	y
Tyco	A..... Ashlie Fan	
Tyco	A#..... Bob Atkinson	
Unisys	P..... Wayne Gentry	nv
Veritas	P..... Roger Cummings	y
Veritas	A..... Roger Reich	
Xyratex	P..... Paul Levin	ne
Xyratex	A..... Rich Ramos	

The motion carried 39 For, 0 Opposed, with 0 Abstaining and 12 Not Voting. This meets the two-thirds rule.

MOTION 5:

T11 has reviewed FDIS project 1.25.13.13.26 - Fibre Channel (FC) Virtual Interface Architecture Mapping (FC-VI) [14165-331] and recommends that the JTC1 TAG vote to approve said FDIS.

The result of the rollcall vote (US domiciled organizations only) was:

Agere	P..... John Kulick	nv
Agere	A..... Jeffrey Saunders	
Agilent	P..... Roy Elsbernd	y
Agilent	A..... Narayan Ayalasomayajula	
Agilent	A#..... Gregg Goyins	
AMCC	P..... Neil Wanamaker	y
AMCC	A..... Mike Scholten	
AMPHENOL	P..... Michael Wingard	nv
AMPHENOL	A..... Ron Kleckowski	
Ancot	P..... Jan V. Dedek	y
Ancot	A..... Bart Raudebaugh	
Broadcom	P..... Ali Ghiasi	nv
Broadcom	A..... Murali Rajagopal	
Brocade Comms.	P..... Robert Snively	
Brocade Comms.	A..... Steven L. Wilson	y
Ciena	P..... Chris Janz	y
Cisco	P..... Silvano Gai	y
Cisco	A..... Claudio DeSanti	
Cisco	A..... Fabio Maino	
CNT	P..... David Peterson	y
CNT	A..... Bret Ketchum	
CNT	A#..... Bill Collette	
CNT	A#..... Harry V. Paul	
CNT	A#..... Brad Solomon	
CNT	A#..... Gregory Koellner	
Corning	P..... Doug Coleman	nv
Corning	A..... Steve E. Swanson	
Crossroads Sys.	P..... John Tyndall	
Crossroads Sys.	A..... Dexter Anderson	y

Crossroads Sys.	A#	Bill Moody	
Cypress	P	Edward Grivna	nv
Cypress	A	Gangesh Ganesan	
Dot Hill	P	Elizabeth Rodriguez	y
E2O	P	Dave Lewis	y
E2O	A	Tom Lindsay	
EMC	P	Gary S. Robinson	y
EMC	A	Gregory McSorley	
Emulex	P	Bob Nixon	y
Emulex	A	Ken Hirata	
ENDL	P	Ralph Weber	y
ENDL	A	Dal Allan	
eSilicon Corporation	P	Frank Barber	y
eSilicon Corporation	A	Rakesh Chadha	
FCI	P	Kevin Oursler	nv
FCI	A	David Sideck	
FSI	P	Gary Stephens	y
Fujikura	P	Nabil Osman	nv
Fujikura	A	Hari Naidu	
Fujitsu	P	Mike Fitzpatrick	y
General Dynamics	P	Arne Niska	nv
General Dynamics	A	Kent Lindell	
Hitachi Data Sys	P	Art Edmonds	
Hitachi Data Sys	A	Shoji Kodama	y
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	y
Infineon	A	Vasanta Rao	
Intel	P	Schelto van Doorn	y
Intel	A	Brad Booth	
JDS	P	Eric Borisch	y
JDS	A	Elfte Favreau	
Lightsand	P	Alex Goral	nv
Lightsand	A	Andy Helland	
LSI Logic	P	Curtis Ridgeway	y
LSI Logic	A	Michael Jenkins	
LSI Logic	A#	Mark Miquelon	
LSI Logic	A#	John Lohmeyer	
LSI Logic	A#	Louis Odenwald	
Lucent	P	Richard Di Pasquale	y
McData	P	Michael O'Donnell	
McData	A	Scott Kipp	y
McData	A#	Larry Hofer	
Molex	P	Jay Neer	nv
Nortel	P	Graham Copley	ne
Northrop Grumman	P	James Nelson	y
NTT	P	Shin'ichi Iwano	ne

NTT	A..... Etsuji Sugita	
NTT	A#..... Osamu Ishida	
PrecisionFC	P..... Gary Warden	y
PrecisionFC	A..... Jing Kwok	
QLogic	P..... Craig Carlson	y
QLogic	A..... Skip Jones	
QLogic	A#..... Ed McGlaughlin	
SANDial	P..... Tim Sheehan	y
Seagate	P..... James Coomes	y
Seagate	A..... Allen Kramer	
Smiths Aerospace	P..... John Schroeder	nv
Solution Tech.	P..... Robert Kembel	y
Solution Tech.	A..... David Deming	
ST	P..... Gianfranco Scherini	ne
ST	A..... Roland Marbot	
StorageTek	P..... Matt Gaffney	y
StorageTek	A..... Joe Gruba	
Sun Microsystems	P..... Vit Novak	y
Sun Microsystems	A..... Steve Sletten	
Tartan	P..... Rich Taborek	
Tartan	A..... Arline Taborek	y
TI	P..... Rajeev Jain	y
TI	A..... Stephen Spencer	
TrueFocus	P..... Horst Truedstedt	
TrueFocus	A..... Jeanne Truedstedt	y
Tyco	P..... Andrew Nowak	y
Tyco	A..... Ashlie Fan	
Tyco	A#..... Bob Atkinson	
Unisys	P..... Wayne Gentry	nv
Veritas	P..... Roger Cummings	y
Veritas	A..... Roger Reich	
Xyratex	P..... Paul Levin	ne
Xyratex	A..... Rich Ramos	

The motion carried 39 For, 0 Opposed, with 0 Abstaining and 12 Not Voting. This meets the two-thirds rule.

MOTION 6:

T11 has reviewed the new work item proposal, and recommends the NWIP (T11/04-234v1) FC-SW-3, as a US contribution to JTC1/SC25 and to approve the NWIP to be issued by SC25, answering the 6 questions 'Yes' and naming Gary S. Robinson as project editor.

The result of the rollcall vote (US domiciled organizations only) was:

Agere	P..... John Kulick	nv
Agere	A..... Jeffrey Saunders	
Agilent	P..... Roy Elsbernd	y
Agilent	A..... Narayan Ayalasomayajula	
Agilent	A#..... Gregg Goyins	
AMCC	P..... Neil Wanamaker	y
AMCC	A..... Mike Scholten	
AMPHENOL	P..... Michael Wingard	nv
AMPHENOL	A..... Ron Kleckowski	

Ancot	P..... Jan V. Dedek	y
Ancot	A..... Bart Raudebaugh	
Broadcom	P..... Ali Ghiasi	nv
Broadcom	A..... Murali Rajagopal	
Brocade Comms.	P..... Robert Snively	
Brocade Comms.	A..... Steven L. Wilson	y
Ciena	P..... Chris Janz	y
Cisco	P..... Silvano Gai	y
Cisco	A..... Claudio DeSanti	
Cisco	A..... Fabio Maino	
CNT	P..... David Peterson	y
CNT	A..... Bret Ketchum	
CNT	A#..... Bill Collette	
CNT	A#..... Harry V. Paul	
CNT	A#..... Brad Solomon	
CNT	A#..... Gregory Koellner	
Corning	P..... Doug Coleman	nv
Corning	A..... Steve E. Swanson	
Crossroads Sys.	P..... John Tyndall	
Crossroads Sys.	A..... Dexter Anderson	y
Crossroads Sys.	A#..... Bill Moody	
Cypress	P..... Edward Grivna	nv
Cypress	A..... Gangesh Ganesan	
Dot Hill	P..... Elizabeth Rodriguez	y
E2O	P..... Dave Lewis	y
E2O	A..... Tom Lindsay	
EMC	P..... Gary S. Robinson	y
EMC	A..... Gregory McSorley	
Emulex	P..... Bob Nixon	y
Emulex	A..... Ken Hirata	
ENDL	P..... Ralph Weber	y
ENDL	A..... Dal Allan	
eSilicon Corporation	P..... Frank Barber	y
eSilicon Corporation	A..... Rakesh Chadha	
FCI	P..... Kevin Oursler	nv
FCI	A..... David Sideck	
FSI	P..... Gary Stephens	y
Fujikura	P..... Nabil Osman	nv
Fujikura	A..... Hari Naidu	
Fujitsu	P..... Mike Fitzpatrick	y
General Dynamics	P..... Arne Niska	nv
General Dynamics	A..... Kent Lindell	
Hitachi Data Sys	P..... Art Edmonds	
Hitachi Data Sys	A..... Shoji Kodama	y
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	y

Infineon	A.....	Vasanta Rao	
Intel	P.....	Schelto van Doorn	y
Intel	A.....	Brad Booth	
JDS	P.....	Eric Borisch	y
JDS	A.....	Elfte Favreau	
Lightsand	P.....	Alex Goral	nv
Lightsand	A.....	Andy Helland	
LSI Logic	P.....	Curtis Ridgeway	y
LSI Logic	A.....	Michael Jenkins	
LSI Logic	A#.....	Mark Miquelon	
LSI Logic	A#.....	John Lohmeyer	
LSI Logic	A#.....	Louis Odenwald	
Lucent	P.....	Richard Di Pasquale	y
McData	P.....	Michael O'Donnell	
McData	A.....	Scott Kipp	y
McData	A#.....	Larry Hofer	
Molex	P.....	Jay Neer	nv
Nortel	P.....	Graham Copley	ne
Northrop Grumman	P.....	James Nelson	y
NTT	P.....	Shin'ichi Iwano	ne
NTT	A.....	Etsuji Sugita	
NTT	A#.....	Osamu Ishida	
PrecisionFC	P.....	Gary Warden	y
PrecisionFC	A.....	Jing Kwok	
QLogic	P.....	Craig Carlson	y
QLogic	A.....	Skip Jones	
QLogic	A#.....	Ed McGlaughlin	
SANDial	P.....	Tim Sheehan	y
Seagate	P.....	James Coomes	y
Seagate	A.....	Allen Kramer	
Smiths Aerospace	P.....	John Schroeder	nv
Solution Tech.	P.....	Robert Kembel	y
Solution Tech.	A.....	David Deming	
ST	P.....	Gianfranco Scherini	ne
ST	A.....	Roland Marbot	
StorageTek	P.....	Matt Gaffney	y
StorageTek	A.....	Joe Gruba	
Sun Microsystems	P.....	Vit Novak	y
Sun Microsystems	A.....	Steve Sletten	
Tartan	P.....	Rich Taborek	
Tartan	A.....	Arline Taborek	y
TI	P.....	Rajeev Jain	y
TI	A.....	Stephen Spencer	
TrueFocus	P.....	Horst Truedtedt	
TrueFocus	A.....	Jeanne Truedtedt	y
Tyco	P.....	Andrew Nowak	y
Tyco	A.....	Ashlie Fan	
Tyco	A#.....	Bob Atkinson	
Unisys	P.....	Wayne Gentry	nv
Veritas	P.....	Roger Cummings	y
Veritas	A.....	Roger Reich	
Xyratex	P.....	Paul Levin	ne

Xyratex A..... Rich Ramos

The motion carried 39 For, 0 Opposed, with 0 Abstaining and 12 Not Voting. This meets the two-thirds rule.

MOTION 7:

T11 requests the SC25 Secretariat to change the title of project 1.25.13.13.15 from Fibre Channel (FC) Generic Services GS-3 to Fibre Channel (FC) Generic Services GS-4.

The result of the rollcall vote (US domiciled organizations only) was:

Agere	P..... John Kulick	nv
Agere	A..... Jeffrey Saunders	
Agilent	P..... Roy Elsbernd	y
Agilent	A..... Narayan Ayalasomayajula	
Agilent	A#..... Gregg Goyins	
AMCC	P..... Neil Wanamaker	y
AMCC	A..... Mike Scholten	
AMPHENOL	P..... Michael Wingard	nv
AMPHENOL	A..... Ron Kleckowski	
Ancot	P..... Jan V. Dedek	y
Ancot	A..... Bart Raudebaugh	
Broadcom	P..... Ali Ghiasi	nv
Broadcom	A..... Murali Rajagopal	
Brocade Comms.	P..... Robert Snively	
Brocade Comms.	A..... Steven L. Wilson	y
Ciena	P..... Chris Janz	y
Cisco	P..... Silvano Gai	y
Cisco	A..... Claudio DeSanti	
Cisco	A..... Fabio Maino	
CNT	P..... David Peterson	y
CNT	A..... Bret Ketchum	
CNT	A#..... Bill Collette	
CNT	A#..... Harry V. Paul	
CNT	A#..... Brad Solomon	
CNT	A#..... Gregory Koellner	
Corning	P..... Doug Coleman	nv
Corning	A..... Steve E. Swanson	
Crossroads Sys.	P..... John Tyndall	
Crossroads Sys.	A..... Dexter Anderson	y
Crossroads Sys.	A#..... Bill Moody	
Cypress	P..... Edward Grivna	nv
Cypress	A..... Gangesh Ganesan	
Dot Hill	P..... Elizabeth Rodriguez	y
E2O	P..... Dave Lewis	y
E2O	A..... Tom Lindsay	
EMC	P..... Gary S. Robinson	y
EMC	A..... Gregory McSorley	
Emulex	P..... Bob Nixon	y
Emulex	A..... Ken Hirata	
ENDL	P..... Ralph Weber	y
ENDL	A..... Dal Allan	
eSilicon Corporation	P..... Frank Barber	y

eSilicon Corporation	A..... Rakesh Chadha	
FCI	P..... Kevin Oursler	nv
FCI	A..... David Sideck	
FSI	P..... Gary Stephens	y
Fujikura	P..... Nabil Osman	nv
Fujikura	A..... Hari Naidu	
Fujitsu	P..... Mike Fitzpatrick	y
General Dynamics	P..... Arne Niska	nv
General Dynamics	A..... Kent Lindell	
Hitachi Data Sys	P..... Art Edmonds	
Hitachi Data Sys	A..... Shoji Kodama	y
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	y
Infineon	A..... Vasanta Rao	
Intel	P..... Schelto van Doorn	y
Intel	A..... Brad Booth	
JDS	P..... Eric Borisch	y
JDS	A..... Elfte Favreau	
Lightsand	P..... Alex Goral	nv
Lightsand	A..... Andy Helland	
LSI Logic	P..... Curtis Ridgeway	y
LSI Logic	A..... Michael Jenkins	
LSI Logic	A#..... Mark Miquelon	
LSI Logic	A#..... John Lohmeyer	
LSI Logic	A#..... Louis Odenwald	
Lucent	P..... Richard Di Pasquale	y
McData	P..... Michael O'Donnell	
McData	A..... Scott Kipp	y
McData	A#..... Larry Hofer	
Molex	P..... Jay Neer	nv
Nortel	P..... Graham Copley	ne
Northrop Grumman	P..... James Nelson	y
NTT	P..... Shin'ichi Iwano	ne
NTT	A..... Etsuji Sugita	
NTT	A#..... Osamu Ishida	
PrecisionFC	P..... Gary Warden	y
PrecisionFC	A..... Jing Kwok	
QLogic	P..... Craig Carlson	y
QLogic	A..... Skip Jones	
QLogic	A#..... Ed McGlaughlin	
SANDial	P..... Tim Sheehan	y
Seagate	P..... James Coomes	y
Seagate	A..... Allen Kramer	
Smiths Aerospace	P..... John Schroeder	nv
Solution Tech.	P..... Robert Kembel	y
Solution Tech.	A..... David Deming	

ST	P..... Gianfranco Scherini	ne
ST	A..... Roland Marbot	
StorageTek	P..... Matt Gaffney	y
StorageTek	A..... Joe Gruba	
Sun Microsystems	P..... Vit Novak	y
Sun Microsystems	A..... Steve Sletten	
Tartan	P..... Rich Taborek	
Tartan	A..... Arline Taborek	y
TI	P..... Rajeev Jain	y
TI	A..... Stephen Spencer	
TrueFocus	P..... Horst Truedstedt	
TrueFocus	A..... Jeanne Truedstedt	y
Tyco	P..... Andrew Nowak	y
Tyco	A..... Ashlie Fan	
Tyco	A#..... Bob Atkinson	
Unisys	P..... Wayne Gentry	nv
Veritas	P..... Roger Cummings	y
Veritas	A..... Roger Reich	
Xyratex	P..... Paul Levin	ne
Xyratex	A..... Rich Ramos	

The motion carried 39 For, 0 Opposed, with 0 Abstaining and 12 Not Voting. This meets the two-thirds rule.

14.3 Other 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:

CALL FOR PATENTS

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, and that they will comply with the ANSI patent policy. 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 FC-PH-2, FC-FS, FC-SW, and FC-SW-2, and that they will comply with the ANSI patent policy.

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, and that they will comply with the ANSI patent policy.

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 Communications Systems, Inc. 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

Wavecrest Corporation has notified INCITS that they have patents which apply to several of the test methods in the FC-MJSQ standard. They have indicated that they will comply with the ANSI Patent Policy.

Contact:

John Patrin
Director of Product Marketing
7626 Golden Triangle Dr.
Eden Prairie, MN 55344
952 831 0030
Fax: 952 831 4474

Cisco Systems, Inc. has notified INCITS that they have acquired Andiamo Systems, Inc., including pending patents that may relate to FC-SP, FC-FS, FC-FS-2, FC-LS, FC-GS-4, FC-SW-3, FC-BB-2, and FAIS. Cisco Systems, Inc. has indicated that it will comply with the ANSI Patent Policy.

Contact:

Robert Barr
VP, Intellectual Property
Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
408 562 4000
Fax: 408 526 4100

Tyco Electronics Corporation has notified INCITS that they have patents which may apply to standards being developed in T11. It has also indicated that it has patents associated with the T11.2 HSSDC-2 connector. They have indicated that they will comply with the ANSI Patent Policy.

Contact (2003):

Driscoll A. Nina
Director of Intellectual Property
Tyco Electronics Corporation
c/o Tyco Electronics Logistics AG

Amperstrasse 3

9323 Steinach, Switzerland

41-71-447-0980

Fax: 41-71-447-0495

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 standards 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:

- *INCITS Activities*

- *SAM-4 was forwarded as a new project by T10.*

- *Nominations for representative to US delegation to the JTC 1 Ad Hoc Group on Vocabulary – March 23, 2004.*

- *Reminder to review rules for hosting international meetings of ISO and JTC-1.*

- *INCITS Activities*

- *Reminder that, if we choose not to act on international actions, US automatically abstains.*

- *Donald Deutsch appointed Chair of the INCITS Finance Board Committee (FBC).*

- *JTC-1 Activities*

- *JTC 1 Technology Watch Workshop, Montreal, Quebec, Canada, 14-16 June 2004*

- *JTC 1 Privacy Technology Study Group, Montreal, Quebec, Canada, 17-18 June 2004*

- *Officer's Symposium:*

- *April 28, 2004, INCITS in Washington, D.C.*

18.2 TC T10

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

T10 met last in Dana Point, CA on Thursday March 11, 2004 with 40 people present. Membership is at 38 voting organizations.

SMC-2 revision 7 was forwarded to INCITS for second public review after discovering minor errors in revision 6.

T10 is processing multiple forwarding letter ballots:

ADC - resolving comments; expect to forward in May 2004

ADT - ballot closes April 26

MMC-4 - ballot closes April 23

OSD - ballot closed March 24; resolving comments

SAM-3 - ballot closes April 21

The SBP-3 working group elected to publish SBP-3 with the minor errors mentioned last time. It is now at INCITS for approval.

T10 forwarded a project proposal on SAM-4 (T10/04-055) and Project Number 1683-D has been assigned to it. George Penokie will be the project editor.

T10 voted to recommend reaffirmation of INCITS.131:1994 [R1999], SCSI-2.

Brocade will host the next plenary meeting of T10 May 6, 2004 in Seaside, CA at the Embassy Suites on Monterey Bay (831-393-1115). The meeting will begin at 9:00 a.m. on Thursday. Several ad hoc meetings are also scheduled earlier that week and as follows:

<i>Meeting</i>	<i>Date</i>	<i>Location / Contact</i>
<i>ADT Calls</i>		<i>To be announced via T10 reflector</i>
<i>MMC WG</i>	<i>Apr ??</i>	<i>To be announced via T10 reflector</i>
<i>MSC Call</i>	<i>TBD</i>	<i>To be announced via T10 reflector</i>
<i>SAS Prot Calls</i>	<i>TBD</i>	<i>To be announced via T10 reflector</i>
<i>SAS PHY Calls</i>	<i>TBD</i>	<i>To be announced via T10 reflector</i>
<i>3rd party</i>	<i>TBD</i>	<i>To be announced via T10 reflector</i>

persistent reservations

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

Skip Jones, on behalf of Art Edmonds, made a presentation of 04-286v0.

It was noted that the membership ballot on 8GFC carried 14-1-2-4.

18.4 IEEE

Schelto van Doorn made the following presentation:

P802.3ak, 10GBASE-CX4

- Done, is now an approved Standard.*

P802.3ah, Ethernet in the First Mile

- Now in Sponsor Ballot comment resolution*

- Approval is targeted to be in June 2004

P802.3an 10GBASE-T

- Is now an approved Task Group

300m FDDI Fiber Study Group

- PAR and Objectives approved
- Becomes a "task force" (802.3aq)

Data Center Ethernet CFI

- To enhance the MAC
- The CFI failed to generate sufficient interest.

BESG BackPlane Ethernet Study Group

- PAR and Objectives approved
- BESG becomes a "task force" (802.3ap)
- A separate study group (Rate control study group) was split off to look at layer 2 enhancements
 - To evaluate system latency and congestion

Next Meetings:

- Interim: May 24-28 Long Beach or Monterey, CA
- Plenary: July 11-16 Portland, OR

18.5 T1X1.5/ITU-T

Chris Janz of Ciena made the following report:

There was an interim meeting of ITU-T SG-15 the week of January 16, 2004; and the subcommittee T1X1.5 met during the week of March 22, 2004. The latter meeting approved 31 U.S. or U.S. company contributions for the upcoming ITU-T SG-15 plenary meeting in April. These contributions focus primarily on the ASON control plane, Ethernet, GFP and management.

Material from the January and March meetings, of significance for T11, includes:

1) *Recent proposals for mapping of GFP frames to plesiochronous transport facilities (specifically, DS3) were accepted in principle at the SG-15 interim meeting. This work will result in the generation of a new recommendation, G.8040. New T1X1 contributions propose extension of these GFP mapping procedures to DS1, N X DS1 and N X DS3 Virtual Concatenation Groups (T1X1.5/2003-118, 2003-137).*

FC-BB-3 mappings that make use of GFP for adaptation, will be useable not only with octet-oriented transport infrastructures (SONET, SDH, OTN), with Virtual Concatenation support; but also with (N x) DS1, DS3, and N x DS3 transport (and potentially, European rate counterparts, E1 and E3).

2) *A contribution (Nortel Networks) at the SG-15 interim meeting, clarified that no revisions to ITU-T SDH architectural specifications (specifically, G.803) will be required to support the carriage of FC services, where GFP adaptation - as per the definitions of FC-BB-3 - is used.*

** Thanks to Michael Mayer (Nortel Networks) for assistance.*

18.6 IETF

Elizabeth Rodriguez of Dot Hill made the following presentation:

IPS:

- FC Encapsulation Document has been published as RFC 3643
- The following drafts are in the RFC editors queue and are pending publication:

–FCIP: Pending FCIP-SLP

–iFCP: Pending iSNS

–In Author's 48

- IPS Security (Will be RFC 3723)
- iSCSI (Will be RFC RFC3720)
- iSCSI Naming and Discovery (Will be RFC 3721)
- iSCSI String Prep (Will be RFC 3722)

–IPS Command Ordering as informational

•Revised FCIP SLP draft has been submitted which it is believed has addressed all IESG comments. In IESG member's queue for re-review. Should enter the RFC editors queue soon and pend only on drafts already in the queue.

•iSNS revision has been submitted and awaiting IESG re-review.

•iSNSMIB waiting revision. Not available on IPS WG page (Previous draft expired.)

•Various MIBs currently in expert review and feedback being provided back to the document authors for revision.

–FC-Mgmt MIB: Recent discussion on T11.5 & IPS reflectors. Being updated for consistency with FC-SWAPI and FC-SW-3.

–SCSI MIB: Expert review comments received. Revised document expected late this month.

–Still waiting expert review comments on

- FCIP MIB
- iFCPMIB
- iSCSIMIB
- Authorization MIB

Other Liaison Reports

•iSCSI boot waiting re-review by IESG

•Waiting revision on iSCSISLP

.•iSCSI Name Extension Draft completed WG last call; waiting revision to address WG last call comments.

IMSS

•IPv6 over Fibre Channel has completed IETF last call period. It is waiting for formal IESG review.

•There is currently no other work in the hands of IMSS

.–Awaiting MIB work from the T11.5 Mgmt Ad-Hoc

Next IETF Meeting:

- August 1-6 in San Diego

- IETF meeting week will conflict with T11 meeting week (Keystone, CO)

- Both IPS and IMSS scheduled to hold meetings that session.

- An attempt will be made to minimize conflicts

- Target IPS/IMSS meetings either at the beginning end of the week

18.7 Trusted Computing Group (04-278v0)

Mike Fitzpatrick of Fujitsu, on behalf of Robert Thibadeau of Seagate Research, made a presentation of 04-278v0.

18.8 SNIA Standardization (04-279v0)

Roger Cummings of Veritas made the following presentation:

- No SNIA symposium since the last T11 meeting

- SNW Spring 2004 this week in Phoenix, AZ

- Many SNIA meetings co-located

- Major demo -"Delivering Standards-based Management Solutions"

- Result of SMI Lab4 program and other activities

- Conformance Testing Program (SNIA-CTP) announced

- 100 SMI-S products from 14 companies have passed CTP

- See <http://www.snia.org/news/> for the press releases

- Planning the functionality for Revision 1.1

- Will be coordinated with CIM 2.9

- Extending Copy Services

- New profiles for iSCSI, NAS etc.

- More security requirements

- For all SMI info see

- <http://www.snia.org/smi/home>

- SMI-S Revision 1.0.2 is in Public Review, closing April 19!

- Its assigned INCITS 388

- It's listed as a T11.5 standard on the INCITS Public Review web page

- Yes, I've already complained about that, will get this fixed for next time

- My apologies for the fact that the PR didn't get announced on the T11.5 reflector

- Note that ALL of the links to documents on the INCITS PR page are broken

- And when you do a search for the number, it wants \$18 to enable a PDF to be downloaded!

- Suggest the T11 Chair talk to INCITS about both things

- Next symposium will be held in Boston May 17-21, 2004

–Registration available @ <http://www.snia.org/news/events/symposium>

–Agenda still TBD, but TWGs (including all SMI groups) expected to meet

•For the latest SNIA happenings, you can always check the latest SNIA Net @

–www.snia.org/news/newsletter/

•SNIA forums and Technical Working Groups meet mostly by conference call

–Some groups meet weekly

–Have to be a member to participate, see the web site for details

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*

· *Claudio DeSanti (Cisco): Vice-Chair*

· *Neil Wanamaker (AMCC): Secretary*

· *The following persons are the officers for T11 TGs:*

· *Schelto Van Doorn (Intel): Chair for T11.2*

· *Tom Palkert (Xilinx): 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 (JRBM): Vice Chair of T11.5*

· *Parag Bhide (Aarohi): Secretary of T11.5*

19.2 FTP AND WEB SITES FOR T11

19.2.1 Wireless Information

Craig Carlson of QLogic made the following report:

•*Wish to thank the host, Brocade Communications, for providing a high speed link*

•*Wish to thank SilvanoGai(Cisco) for providing access points*

•*To access internet:*

–*[www.t11.local\(192.168.1.2\)](http://www.t11.local(192.168.1.2))*

–*Fill in information*

–*Password 'danapoint' (will be the last city visited)*

•*Why?*

–Helps us get the Hotels cooperation for a “reasonable” connection price

Issues

–Some adapters configured in “ad-hoc” on same channel as Access Point

•Use “Infrastructure” mode!

–SSID “T11”–VPN

•Multiple tunnels supported by router

–Use “TCP Transparent” mode, if possible

–Otherwise share with your co-workers!

–Some VPN clients having difficulties

•Issues (cont.)

–“Sneak” access

•Keep in mind, some hotels charge \$100 (or more) per day per MAC address... So, please DO NOT, connect directly to the Ethernet in meeting room, connect ONLY through the router

•We need to respect this otherwise meeting hosts may not provide access in the future

•Old cards/firmware/drivers

–Some having difficulties

19.3 Website Status Information

Roger Cummings of Veritas made the following presentation:

•As most of you are aware, the FTP server has been misbehaving lately

–The databases still work, but when a file link is accessed an error message such as “Unable to connect to 66.155.124.38 Port 21” is received

•First happened on March 8

–Hung up approximately once per day March 20-29

–And once this week

–No error messages in any logs

–Sometimes have to reboot the entire server to get started again

•PSR has built a script to auto-monitor the server

–But sometime a manual restart is needed

•Only one thing is consistent in all hangs

–The last user to connect has the password mozilla@example.com

–Is it possible to change this default in Mozilla?

–Can people use other browsers for the moment to access the site?

•I’ve provided an updated version of the FTP server app, will try and get this installed next week

•If one file link doesn’t work for you, please check some others before e-mailing the webmaster

–If the others don't work as well, the server is likely down and we'll be working on it

–If a single link doesn't work for several hours, then there may be another problem

•*In our drafts, we refer to projects in development by Name and Project Number*

–How do you find a project on t11.org by project no.?

•*By the FC or SM (or HIPPI) links on the main page*

•*BUT the project might now be published, and the BSR number will be shown instead of the project*

•*Built new URL (<http://www.t11.org/indev.html>) which redirects to a view of ALL projects in the database for which we have project numbers*

–Suggest we include that URL in future drafts

–Chairs, please ensure the project number is entered in the projects database as soon as it is known!

•*Attachments to Letter Ballot now get saved in the ballot properly:*

–And sent to the Editor & Ad Hoc Chair

•*Have not yet gone back and fixed the ballots that happened when this problem existed*

•*Possible Problem reported last month where wrong information displayed when creating a clone or revision turned out to be a client issue*

–Program was auto-filling form fields from a previous screen

–Happens because the URL displayed doesn't change due to the frame structure

Known Problems Still Existing

•*“Clearing fields” problem*

•*Published projects not being moved to the “members” tree*

•*Things I did NOT get to over Xmas:*

–Fixing jeopardy calculation

–Issue in membership DB that causes Rep Type to not be displayed correctly

•*User Guide is at <http://www.t11.org/ug.html>*

•*Web-site tutorial handouts are 03-401v0*

•*“OCLC Systems and Services” article is 03-701v0, or see:*

<http://matilde.emeraldinsight.com/vl=2213840/cl=51/nw=1/rpsv/cw/www/mcb/1065075x/contp1-1.htm>

Addresses for Reporting Problems

•*Server problems (web or ftp sites down etc.)*

–support@psrsoftware.com

•*Mail Reflector problems*

–dap@cnt.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

19.3.1 Proposed formats for letter ballot comment submission

Issue raised that comments on letter ballots request should be able to be submitted in Excel, CSV,

There was a motion by Roger Cummings and seconded by Neil wanamaker to amend the letter ballot form to indicate that comments should be attached as a spreadsheet in a specified format, and provide a link to a sample file in that format. Text files are to be in.csv format.

The motion carried unanimously.

19.4 Reflectors

No report.

19.5 Other Matters

19.5.1 INCITS Public Review pages

It was noted by the Chair that this would be discussed at the upcoming INCITS symposium.

20 Future meeting schedule

20.1 June Meeting Announcement

The June meeting week will be held the week of June 7-11 in Chicago, IL, hosted by Tartan.

For hotel information, see the "Meetings" tab at www.t11.org, then "meeting announcement".

20.2 Authorization of Ad Hoc Meetings

None

20.3 June Meeting Map

T11/04-298v0

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T11 PLENARY WEEK - JUN 7-11, 2004
Chicago, IL

Version 04/08/2004

Monday

6/7	8	9	10	11	12	1	2	3	4	5	6	7	8	9
20/30/40/20		DA	FC-FS-2	lun	Fabric	Extnsn	Stdy	IP4						
35/35/??		T11.2-MJSQ	lunch			T11.2-MJSQ		FCIA	Roadmap					

Tuesday

6/8	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									
20/40/30		FC-BB-3	lun			FC-SW-4		FAIS						
20/15		SM-HBA	lun			FC-AE-2								

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+-----+-----+-----+-----+-----+
12/75   |      *** FCIA BOD ***      |///| **FCIA** |
+-----+-----+-----+-----+-----+

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Wednesday

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6/9      8   9   10  11  12  1   2   3   4   5   6   7   8   9
+-----+-----+-----+-----+-----+
30/50/40/100 | FC-MI-2 |lun|FC-GS-5|   FC-SP | Reception |
+-----+-----+-----+-----+-----+
45/45      |T11.2 EL WG |lunch| T11.2 Opt WG |
|FC-PI-2 Cmts |lunch| FC-PI-2 Cmts |
+-----+-----+-----+-----+-----+
30/15      |   FAIS   |lun|   FC-AE-2   |
+-----+-----+-----+-----+-----+
50/30      |   ** FCIA Members **   | 11.5 Mgmt |
+-----+-----+-----+-----+-----+

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Thursday - PLENARY

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6/10      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 |
+-----+-----+-----+-----+-----+
30/??      | FC-LS   |lunch|PHY Mdlng|
+-----+-----+-----+-----+-----+

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Friday

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6/11      8   9   10  11  12  1   2   3   4   5   6   7   8   9

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* = NOT A T11 MEETING

\ = if meeting ends early, next meeting starts immediately

20.4 Request for Hosts - Future meeting Schedule

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2004 Through 2005 T11 Meeting Schedules

<i>2004 Dates</i>	<i>Proposed Locations</i>	<i>Host</i>
-----	-----	----
JUNE 7-11	Chicago, IL	Tartan
AUGUST 2-6	Keystone, CO	McData
OCTOBER 4-8	Austin, TX	Crossroads
DECEMBER 6-10	Palm Springs(area)	Broadcom
<i>2005 Dates</i>	<i>Proposed Locations</i>	<i>Host</i>
-----	-----	----
JANUARY 31-FEBRUARY 4	Dana Point, CA	QLogic
APRIL 4-8	(?)	Brocade
JUNE 6-10	St Paul, MN	CNT
AUGUST 8-12	Rome/Florence, IT (?)	Cisco
OCTOBER 3-7	(?)	Solution Technology
DECEMBER 5-9	(?)	

20.5 Guidelines for Hosting

This report has been posted to the website as T11/04-244v0.

20.6 Approval of Meeting Venues

20.6.1 Date change from Feb 7-11, 2005 to Jan 31 - Feb 4, 2005

Skip reported that the initially proposed date was not available at the proposed venue.

It was moved by Scott Kipp and seconded by Jim Coomes to change the date as requested.

The motion carried unanimously.

20.6.2 June 2005, CNT, St. Paul

It was moved by John Lohmeyer and seconded by John Scheible to approve the location (St. Paul, MN) of the June, 2005 meeting.

The motion carried unanimously.

20.6.3 August 2005, Cisco, Florence, IT

Claudio De Santi made a presentation of the expectations for this meeting venue.

It was moved by David Black and seconded by Jeanne Truestedt to approve this meeting location.

Jim Coomes expressed a concern expressed by his management about the appearance of the location, rather than the cost.

After extensive discussion the motion failed 16 For, 2 Opposed, with 9 Abstaining and 28 Not Voting. This does not meet the two-thirds rule, as more than a majority of the members did not vote.

It was agreed to bring this to a vote at the next meeting early on the schedule, so that sufficient numbers were present to ensure that half the members were actually voting.

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

04-008 Chair to ensure that the withdrawn but maintained (still available documents) are handled correctly by INCITS.

Email sent on March 5 to determine procedures. Reminder March 26.

04-009 Roger Cummings to investigate projects associated with withdrawn standards be made accessible on the website.

04-018 Officers to review static HTML for membership on website.

04-019 T11 Webmaster to put result of vote on meeting hosts on webpage.

04-021 Craig Carlson to provide FC-GS-4 ISO to IR

04-022 Chair to forward letter on high-speed encryption to NIST

04-023 Editors to supply revisions of SM-FAM and SM-NSM to T11 Chair.

04-024 Chair to conduct letter ballot on study projects for SM-FAM and SM-NSM.

04-025 Chair to forward SM-HBA project Proposal to INCITS for further processing

04-026 Chair to forward SM-RTM Project proposal to INCITS for further processing.

04-027 IR to correctly update the partnumber for FC-SW-3 NWIP.

04-028 IR to convey results of ISO votes to SC25 Secretariat.

04-029 Chair to fix patent section to reflect Cisco acquisition of Andiamo

04-030 T11 and T11.3 chairs to move T1X1.5 and ITU-T liaison reports from T11 to T11.3 agendas.

04-031 Chair to move SNIA Liaison off T11 agenda.

04-032 Craig Carlson to post a comment submission template.

04-033 Webmaster to update ballot to point to spreadsheet templates and enable attachment of spreadsheets.

04-034 Chair to report to INCITS that links to public review comments are broken; to convey misattribution of fast-track documents; and public review documents to be made available without charge.

04-035 Vice-chair to contact organizers for SNW and IETF to prevent conflicts with these events.

04-036 Vice-chair to update meeting schedule to reflect change in date for February, 2005 meeting.

04-037 Vice-chair to update meeting schedule to reflect location of June, 2005 meeting.

04-038 Chair to put August, 2005 meeting early on agenda for next meeting.

04-039 Chair to produce Liaison Report for T10, etc.

04-040 Chair to produce an INCITS liaison report for TGs

04-041 Chair to include FC-SB-4 Project Proposal on June agenda.

04-042 Chair to update patent section to reflect McData acquisition of Nishan (and any new patent letters received).

22 Adjournment

It was moved by to Jeanne Truedstedt and seconded by Paul Levin to adjourn. The motion passed unanimously, and the meeting was adjourned at 7:10 pm, PDT.

*** April, 2004 T11 Plenary Attendance ***

AGILENT	Roy Elsbernd
AMCC	Neil Wanamaker
Ancot	Jan V. Dedek
Broadcom	Ali Ghiasi
Brocade	Robert Snively
Brocade	Steven L. Wilson
Cenillium	Ali Abaye
CIENA	Chris Janz
Cisco	Claudio DeSanti
Cisco	Silvano Gai
CNT	David Peterson
Crossroads	Dexter Anderson
Data Device	Joe Gelish
Dot Hill	Elizabeth G. Rodriguez
E2O	Dave Lewis
EMC	David Black
EMC	Gary S. Robinson
Emulex	Bob Nixon
ENDL	Ralph Weber
eSilicon	Frank Barber
FSI	Gary Stephens
FUJIKURA	Nabil Osman
Fujitsu	Mike Fitzpatrick
HITACHI DS	Shoji Kodama
Hitachi G S	Werner Glinka
HP	Bill Ham
HP	Mark Hamel
IBM	John Scheible
Infineon	Richard Johnson
Intel	Schelto Van Doorn
JDSU	Eric Borisch
JRBM	Robert Pulley
Lightsand	Andy Helland
LSI Logic	Curtis Ridgeway
LSI Logic	John Lohmeyer
Lucent	Richard DiPasquale
McData	Scott Kipp
NGC	James Nelson
Nortel	Graham Copley
PMC	Yuriy Greshishchev
PMC-SIERRA	Richard Cam
PrecisionFC	Gary Warden
QLogic	Craig Carlson
SAN Dial	Tim Sheehan

Seagate	James Coomes
Sierra Logic	John Ives
Solution Tec	Robert Kembel
STMicroelect	Gianfranco Scherini
Storagetek	Matt Gaffney
Sun Micro	Steve Sletten
Sun Microsystem	Vit Novak
Tartan	Arline Taborek
TI	Rajeev Jain
True Focus	Jeanne Truedstedt
TrueFocus	Horst Truedstedt
Tyco Electr	Andrew Nowak
Unisys	Wayne Gentry
Veritas	Roger Cummings
XANCOM	James McTigue
Xilinx	Tom Palkert
Xyratex	Paul Levin
Xyratex	Rich Ramos