



InterNational Committee for Information Technology Standards  
(INCITS) Secretariat: Information Technology  
Industry Council (ITI) 700 K Street NW, Suite 600,  
Washington, DC 20001

[www.INCITS.org](http://www.INCITS.org)



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**T11-2020-00280-v000**

**Approved Minutes  
INCITS Fibre Channel (T11) Technical Committee  
Regular Meeting #160  
13 August 2020 – 1 PM to 3 PM CDT  
Virtual Meeting**

## **1 Opening Remarks and Introductions**

### **1.1 Introductory Remarks**

TC T11 chair Steve Wilson (Broadcom) convened regular meeting #160 of the INCITS Fibre Channel (T11) Technical Committee on Thursday, 13 August 2020 at 1:01 PM CDT. He introduced himself and thanked our host Marvell for the virtual meeting facilities.

He next introduced Craig Carlson (Marvell) as vice chair and Patty Driever (IBM) as secretary.

### **1.2 Self-introductions**

The chair requested those present to introduce themselves, with identification of the organizations they represent.

### **1.3 Operating under INCITS Procedures**

#### **1.3.1 Patent Information**

The chair indicated that among the rules and policies under which this Technical Committee operates are the ANSI intellectual property policies as specified in pages 1-3 of INCITS patent policy slides available from <http://www.incits.org/standards-information/legal-info>.

He displayed these pages without comment or explanation, and directed that questions about the policy should be referred to the questioner's legal counsel or the ANSI General Counsel.

### **1.3.2 Antitrust Guidelines**

The chair indicated that among the rules and policies under which this Technical Committee operates are the INCITS Antitrust Guidelines as specified in <http://www.incits.org/standards-information/legal-info>. Any person present at the meeting is responsible for objecting if he believes discussion in the meeting violates those guidelines. As examples, there should never be discussion of the following topics at any INCITS or INCITS subgroup meeting:

- Any company's prices or pricing policies;
- Specific R&D, sales and marketing plans;
- Any company's confidential product, product development or production strategies;
- Whether certain suppliers or customers will be served;
- Prices paid to input sources; or
- Complaints about individual firms or other actions that might tend to hinder a competitor in any market.

If such discussion is not immediately terminated, it is the chairperson's responsibility to terminate the meeting.

### **1.3.3 Public access rules**

The chair indicated that among the rules and policies under which this Technical Committee operates are the INCITS rules for operating in Public Access Mode, as specified in Section 3.11 of INCITS Organization, Policies, and Procedures (found at <http://www.incits.org>).

The chair encouraged those nonmembers who attend T11 meetings regularly or intend to attend T11 meetings regularly to join the organization. He further advised that nonmembers, by remaining in this meeting, acknowledge that they understand and agree to the policies of this meeting.

## **1.4 Attendance**

The chair instructed those present how to register using the electronic attendance list for this meeting, found via the URL <http://standards.incits.org/login>. He reminded those present that both the electronic attendance list and physical presence at the meeting will be required to qualify as attendance for formal records of this meeting.

## **2 Approval of the Agenda**

An electronic version of the agenda was posted as T11-2020-00154-v001. The chair presented the agenda with final updates as T11-2020-00154-v002 and made a call for any changes and new agenda items. No changes or new items were requested.

Chris Lyon (Amphenol) moved and David Peterson (Broadcom) seconded that T11-2020-00154-v002 as presented at this meeting be approved as the agenda for this meeting. The motion passed by acclamation.

## **3 Attendance and Membership**

### **3.1 Gaining and Losing Voting Membership**

Information on how membership is gained, maintained, and lost in any INCITS Technical Committee or Task Group may be found in the INCITS Organization, Policies, and Procedures found at <http://www.incits.org>. An overview of these requirements was introduced by the chair and was available to all attendees among the electronically distributed meeting documents.

The vice chair presented the current list of members and representatives, and invited corrections. The membership effective for this meeting, as adjusted for changes introduced at this meeting, is shown in annex A.1. Attendance for this meeting is shown in annex A.2. Attendance for the ad hoc meetings is shown in annex A.3.

### **3.2 Changes in Representation Since the Last Meeting**

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

Mark Nowell, Sai Pavan, and Kiran Ranabhor were added as Alternates for Cisco Systems, Inc. and Rajesh LG and Sumanth Sindiri were removed as Alternates for Cisco. Other representation for Cisco remains the same.

David Piehler, Doug Farley and Vinay Sawal were added as Alternates for Dell Inc. All other representation for Dell remains the same.

### **3.3 New Voting Memberships**

- Macom requested and was granted voting membership at this meeting.

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

- There were no companies in membership jeopardy for non-attendance during this meeting cycle.

### **3.5 Voting memberships in jeopardy for non-payment of dues**

- There were no companies in membership jeopardy for non-payment of dues.

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

- There were no companies in jeopardy for letter ballot performance for not having voted on two of last 3 T11 letter ballots.

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

Technical Committee T11 had 17 voting members at the T11 regular meeting 04 June 2020. With no members losing voting privileges, and 1 member gaining voting privileges (see 3.3) the voting membership of T11 is now at 18 for this meeting.

Reflecting the above changes, the voting membership of T11 for this meeting is recorded in [annex A.1.2](#).

Reflecting the above changes, the advisory (i.e., nonvoting) membership of T11 for this meeting is recorded in [annex A.1.3](#).

### **3.8 Call for members of the press and journalists**

The chair requested members of the press and journalists to introduce themselves. No person attending the meeting made such an introduction.



### 3.9 Call for Quorum

The total membership for this meeting is 18. One third of the total membership for this meeting is 6. The number of member organizations that responded to the call for quorum was 17. This exceeds or equals one third of the total membership for this meeting and also exceeds or equals 6. A quorum is therefore present for this meeting.

### 3.10 Call for Guests

The chair requested those associated with organizations that are not members of T11 to introduce themselves. No one responded.

## 4 Document Distribution

The chair described the process for T11 document distribution via <http://standards.incits.org>.

## 5 Approval of Minutes - Meeting #159

The prior regular meeting of the INCITS Fibre Channel (T11) Technical Committee was #159 on 04 June 2020. The draft Minutes of that meeting were posted as document T11/2020-00141-v000.

T11 minutes are reviewed as posted on the T11 web site. Corrections may be requested either before the subsequent meeting by email to the T11 secretary (pgd@us.ibm.com) or at the subsequent meeting in person.

Dave Peterson (Broadcom) moved and Mark Malcolm (Fujitsu) seconded to accept T11/2020-00141-v000 as the Minutes of T11 meeting #159 on 04 June 2020. The motion passed by acclamation.

See action item [20-010](#).

## 6 Review of Old Action Items

20-007	T11 secretary to post approved Minutes of T11 meeting #158 as agreed at T11 meeting #159. Completed by posting <a href="#">T11-2020-00149-v000</a> on June 05, 2020.
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20-008	T11 chair to request INCITS Secretariat initiate a first public review on the FC-PI-7P draft standard Rev. 1.03 contained in <a href="#">T11-2020-00003-v004</a> . Completed by email to Rachel Porter on April 27, 2020 and posted as <a href="#">T11-2020-00151-v000</a> ..
20-009	T11 chair to update T11 meeting schedule on the website to reflect the change adopted at this meeting. Completed by Chair.

## 7 Review of T11 Project and Proposal Status

### 7.1 Project Proposals

#### 7.1.1 None

### 7.2 Project Status Review

The T11 Project status sheet was displayed (see [annex B.1](#)). The current version can be viewed at any time at <http://standards.incits.org>, in the “T11 Projects” folder in the documents section.

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

## 8 Results of non-ISO Letter Ballots

8.1 There were no letter ballots since the last meeting cycle.

## 9 Old Business

No old business was reopened.

## 10 Task Group T11.2 - Physical Interfaces

### 10.1 Report to T11 Plenary ([T11-2020-00188-v000](#))

Task Group chair Tom Palkert (Macom) gave the report posted as T11-2020-00188-v000 on activity at T11.2.

## **10.2 Actions**

**10.2.1** There were no actions

## **10.3 Other Items**

No other items were presented for TG T11.2.

## **11 Task Group T11.3 - Interconnection Schemes**

### **11.1 Report to T11 Plenary ([T11-2020-00194-v000](#))**

Task Group chair Craig Carlson (Marvell) presented the information posted as T11-2020-00194-v000 on activity at T11.3.

### **11.2 Actions**

#### **11.2.1 Project Proposal FC-PM ([T11-2020-00162-v000](#))**

Craig Carlson (Marvell) made a motion that T11 approve the project proposal containing a name change of FC-RDMA to FC-PM (Persistent Memory over Fibre Channel) as documented in [T11-2020-00162-v000](#) and forward to INCITS for further processing. Motion seconded by David Peterson (Broadcom). Motion carried in Favor-17, No-0, Abstain-0, Not Voting-1. See Action Item [20-011](#).

### **11.3 Other Items**

No other items were presented for TG T11.3.

## **12 Joint TG T11.2 / T11.3 Items**

There was no meeting of the Joint T11.2/T11.3 working group during this meeting cycle.



### **13 T11 project activities**

None for this meeting cycle.

### **14 Review of International Activity**

#### **14.1 INCITS SC 25 / WG4 TAG Status Report ([T11-2020-00160-v000](#))**

Dave Peterson (Broadcom) presented the information posted as T11-2020-00160-v000 on INCITS SC 25 / WG4 TAG project status (see [annex B.2](#)).

### **15 T11 New Business**

#### **15.1 Consensus Expert Group Characteristics Matrix ([T11-2020-00178-v000](#))**

The chair indicated that the INCITS executive board has decided that the way Ad Hocs are being used is not in conformance with how they should be used. They decided on a scheme of having Ad Hocs, Expert Groups and TGs, and have created a matrix to describe the characteristics/usage of each (not yet approved). The proposed matrix will be reviewed by the EB and the procedures committee. T11 will await the outcome of those reviews

### **16 Call for Patents**

#### **16.1 Patent information registry**

The chair indicated that the current record of responses to prior calls for patents can be found in the T11 web site at <http://www.t11.org/t11/docreg.nsf/v2t?openForm&ent=35>.

#### **16.2 Call for Patents**

##### **16.2.1 Patent Information Overview**

The chair reminded the meeting that among the rules and policies under which T11 operates are the INCITS intellectual property policies. An overview of patent information relevant to T11 may be found in T11-2010-008v0.

### **16.2.2 INCITS/ISO patent disclosure form**

A template form for a patent declaration that is satisfactory to both INCITS and ISO can be found in <http://www.incits.org/standards-information/legal-info>.

No company responded to the call for patents.

## **17 Liaison Reports**

### **17.1 T11 report ([T11-2020-00152-v000](#)), INCITS Liaison report ([T11-2020-00164-v000](#))**

Steve Wilson (Broadcom) presented the information posted as T11-2020-00103-v000 on activity at T11 as reported to other organizations, and the information posted as T11-2020-00122-v000 on activity at INCITS other than T11 project status.

### **17.2 TC T10 ([T11-2020-00165-v000](#))**

Fred Knight (NetApp) gave report T11-2020-00165 on activity at T10.

### **17.3 FCIA ([T11-2020-00183-v000](#))**

Chris Lyon (Amphenol) gave report T11-2020-00183-v000 on activity at FCIA.

### **17.4 IEEE 802.3 ([T11-2020-00184-v000](#))**

Tom Palkert (Macom) and Mabud Choudhury (OFS) gave report T11-2020-00184-v000 on activity at IEEE 802.3.

### **17.5 INCITS TC CS1 (None)**

### **17.6 SNIA and DMTF ([T11-2020-00192-v000](#))**

Fred Knight (NetApp) discussed report T11-2020-00192-v000 on SNIA and DMTF activities.

### **17.7 NVMe (verbal)**

Craig Carlson (Marvell) gave a brief verbal report on recent NVMe activities.

## 18 Administrative Matters

### 18.1 Officer Appointments

Officers of this Technical Committee and its Task Groups are:

T11 Chairman	Steve Wilson (Broadcom)
T11 International Representative	David Peterson (Broadcom)
T11 Vice Chairman	Craig Carlson (Marvell)
T11 Secretary	Patty Driever (IBM)
T11.2 Chairman	Tom Palkert (Macom)
T11.2 Vice-Chairman	Dean Wallace (Marvell)
T11.2 Secretary	Jason Rusch (Viavi)
T11.3 Chairman	Craig Carlson (Marvell)
T11.3 Vice-chairman	Roger Hathorn (IBM)
T11.3 Secretary	Patty Driever (IBM)

## 19 Future Meeting Schedule

### 19.1 Authorization of adhoc meetings

The chair directed members to the ICMS T11 calendar located at the T11 section of the web site <http://standards.incits.org> the latest announcements of pending work group interim meetings and teleconferences. He advised that authorization of ad hoc work group meetings is delegated to the appropriate TG, if any.

The vice chair will account for these requests in the schedule for the T11 plenary week hosted by Marvell via Zoom virtual conference 05-09 October 2020.

### 19.2 Guidelines for hosting T11 meetings ([T11-2017-00151-v000](#))

For members who are considering hosting future plenary meetings, the chair directed their attention to “Guidelines for hosting T11 Plenary Weeks” T11-2017-00151-v000. This

information includes guidelines for hosting a T11 meeting week and room night histories of past meeting weeks. This is required reading for those who are considering hosting because it summarizes the needs of the committee for meeting facilities and gives considerations that may reduce costs for the host.

Groups arranging to meet with T11 were strongly advised to confirm with the host any changes in their needs for meeting space well before the meeting. Failure to do so could easily cause serious inconvenience to the host and/or the group.

### 19.3 Request for hosts and 2020–2021 meeting schedule

The chair announced the following schedule for 2020-2021.

<b>Date</b>	<b>Location</b>	<b>Host Organization</b>	<b>Host Person</b>
February 3-7, 2020	Fort Worth, TX	DCS	Todd Wheeler
April 6-10, 2020	Virtual Meeting		
June 1-5, 2020	Virtual Meeting		
August 10-14, 2020	Virtual Meeting		
October 5-9, 2020	Virtual Meeting		
December 7-11, 2020	Virtual Meeting		
February 1-5, 2021			
April 5-9, 2021			
June 7-12, 2021		Marvell	Craig Carlson
August 16-20, 2021		Broadcom	Steve Wilson
October 4-8, 2021			
December 6-10, 2021			

### 19.4 Approval of Meeting Venues

**19.4.1** February/April 2021 – Chris Lyon has worked with Couer d’Alene and they have offered to work with us using a no minimum/no attrition contract. The group was asked if this is something T11 would like to pursue for April. Chris was also open to pursuing another location such as Palm Springs for February if he could negotiate a similar ‘no minimum/no attrition’ contract. But after discussion consensus was to leave February as a virtual meeting, and pursue a face-to-face in Couer d’Alene for April 2021.

Chris Lyon (Amphenol) moved, and David Peterson (Broadcom) seconded to leave the February 2021 meeting as a virtual event and pursue April 2021 as a face-to-face meeting in Couer d-Alene, ID. Motion carried In Favor-17, Abstain-0, Opposed- 0. The chair will update the meeting information on the website.  
See action item [20-012](#).

## **19.5 Next meeting information**

The chair reminded the membership that the next T11 plenary week will be a virtual meeting hosted by Marvell via Zoom October 05-09, 2020.

## **19.6 Letter to travel representatives on hotel rates ([T11-2017-00150-v000](#))**

The chair reminded the membership that

- T11 plenary meetings are hosted by volunteer organizations;
- A plenary host receives no reimbursement from T11 or INCITS for any expenses of hosting;
- A plenary host may depend on agreements with the meeting hotel in order to reduce the expenses of the host and also possibly, though not necessarily, reduced the room rates for the members; and
- A hotel may charge punitive extra fees to a host if the meeting does not achieve an agreed number of room nights identified with group members.

Therefore, T11 expects those attending meetings during a plenary week to stay at the meeting hotel and identify themselves as members of the T11 group, even though less expensive lodging may be found in the area, or even at the same hotel. Document T11-2017-00150-v000 has been posted which contains a letter to those with budget responsibilities for member organizations justifying this obligation.

### 19.7 Plenary week meeting map for October 2020 T11 meetings

The vice chair Craig Carlson (Marvell) presented the tentative meeting map of the next T11 meeting week. He advised members for the most recent meeting map of the next T11 regular meeting to go to the INCITS website, search the T11 Meeting Information folder under October 2020.

### 20 Final Attendance Notice / Check

The chair reviewed the electronically registered attendance list, advised that the list was about to close, and reminded those who had not registered that the list would then become the only source of attendance for formal records of this meeting.

Final registered attendance for T11 regular meeting #159 is shown in annex A.2. 26 people from 17 member organizations were in attendance.

### 21 Review of Action Items

20-010	T11 secretary to post approved Minutes of T11 meeting #159 as agreed at T11 meeting #160. (See <a href="#">clause 5</a> )
20-011	T11 chair to forward project proposal for FC-PM as documented in <a href="#">T11-2020-00162-v000</a> to INCITS for further processing. See <a href="#">Clause 11.2</a> .
20-012	T11 chair to update T11 Secretariat with our plan to host the February 2021 meeting as a virtual meeting and the April 2021 meeting as face-to-face if conditions allow. See <a href="#">Clause 19.4</a> .

### 22 Adjournment

Dave Peterson (Broadcom) moved to adjourn at 2:15 PM CDT. The motion passed by acclamation.

## **Annex A Membership and Attendance**

### **A.1 Membership for this meeting**

#### **A.1.1 Emeritus Members**

These people have been granted Emeritus membership in INCITS Fibre Channel (T11) Technical Committee, recognizing their many years of skilled leadership and high quality technical contribution:

**Mr. James Coomes**

**Dr. William Ham**

**Mr. Robert Kembel**

**Mr. Bob Nixon**

**Mr. Schelto Van Doorn**

#### **A.1.2 Voting Members**

The following is the list of organizations that are voting members of record for regular meeting #160 of the INCITS Fibre Channel (T11) Technical Committee, including the recognized representatives of each member organization:

<b>Organization</b>	<b>Representative Type</b>	<b>Representative</b>
Amphenol	Principal	Gregory McSorley
	Alternate	Brad Brubaker
	Alternate	Daniel Dillow
	Alternate	Chris Lyon
	Alternate	Alex Persaud
	Alternate	Hu Silver
Broadcom	Principal	Steven L. Wilson
	Alternate	Evan Beauprez

	Alternate	Ben Chu
	Alternate	Adam Healey
	Alternate	Howard Johnson
	Alternate	Mark Jones
	Alternate	Anil Mehta
	Alternate	David Peterson
	Alternate	Rob Peterson
	Alternate	John Petrilla
	Alternate	James Smart
Cisco	Principal	Mike Blair
	Alternate	Mark Allen
	Alternate	Harsha Bharadwaj
	Alternate	Fabio Maino
	Alternate	Mark Nowell
	Alternate	Sai Pavan
	Alternate	Joe Pelissier
	Alternate	Kiran Ranabhor
Commscope	Principal	Yang (Sunny) Xu
	Alternate	Gary Gibbs
Corning	Principal	David Kozischek
	Alternate	Steven E. Swanson
DCS	Principal	Steve Eisele
	Alternate	Rodney Jack
Dell	Principal	Erik Smith
	Alternate	David Black
	Alternate	David Brown
	Alternate	Gaurav Chawla
	Alternate	Doug Farley
	Alternate	David Piehler
	Alternate	Vinay Sawal



	Alternate	Joseph White
Finisar	Principal	Vipul Bhatt
	Alternate	Vera Koleva
	Alternate	Lance Thompson
	Principal	Mark Malcolm
Fujitsu America Inc	Alternate	Kun Katsumata
	Alternate	Osamu Kimura
	Alternate	Gene Owens
	Principal	Barry Maskas
Hewlett Packard Enterprise	Alternate	Curtis Ballard
	Alternate	Rupin Mohan
	Alternate	Krishna Babu Puttagunta
	Principal	Roger Hathorn
IBM	Alternate	Patty Driever
	Alternate	Stephen Guendert
	Principal	Stephen Didde
Keysight Technologies	Alternate	Steve Sekel
	Alternate	Joachim Vobis
	Principal	Thomas Palkert
Macom		
Marvell Semiconductor Inc	Principal	Craig W. Carlson
	Alternate	Anshul Agarwal
	Alternate	Sanjaya Anand
	Alternate	Girish Basrur
	Alternate	Kathy Caballero
	Alternate	Michael Dudek
	Alternate	Arun Easi
	Alternate	Robert Friend
	Alternate	Duane Grigsby
	Alternate	Rick Hicksted Jr.
	Alternate	Ali Khwaja
	Alternate	Stephen Lam

	Alternate	Ray Leung
	Alternate	Akinori Maeda
	Alternate	Praveen Midha
	Alternate	Trinh Nguyen
	Alternate	Raul Oteyza
	Alternate	Eddy Soetjahja
	Alternate	Alan Spalding
	Alternate	Gourangadoss Sundar
	Alternate	Andrew Vasquez
	Alternate	Dean Wallace
NetApp	Principal	Frederick Knight
	Alternate	John Meneghini
	Alternate	Vijay Rao
OFS	Principal	Roman Shubochkin
	Alternate	Mabud Choudhury
Teledyne LeCroy	Principal	David Rodgers
	Alternate	Amit Bakshi
	Alternate	Rakesh Kathiresan Natarajan
	Alternate	Douglas Lee
	Alternate	Henry Poelstra
	Alternate	Srikant Tadigadapa
Viavi	Principal	Jason Rusch
	Alternate	Scott Baxter
	Alternate	George Bullis
	Alternate	Paul Gentieu

### A.1.3 Advisory Members

The following is the list of organizations that are advisory (i.e., nonvoting) members of record for regular meeting #160 of the INCITS Fibre Channel (T11) Technical Committee, including the recognized representatives of each member organization:

Organization	Representative Type	Representative
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Anritsu	Principal Alternate	Tadanori Nishikobara Yuji Sekine
Ciena	Principal	Stephen Shew
	Alternate	Sebastien Gareau
Futurewei	Principal	Timothy Jeffries
	Alternate	Lei Wang
Lumentum Operations	Principal	David Lewis
MediaTek	Principal	Tamer Ali
	Alternate	Yan-Bin Luo
	Alternate	Herbert Wang
	Alternate	Mau-Lin Wu
Molex	Principal	Alexandra Haser
	Alternate	Tom Palkert
	Alternate	Scott Sommers
Panduit	Principal	Jose Castro
	Alternate	Bulent Kose
	Alternate	Robert Reid
TE Connectivity	Principal	Nathan Tracy
	Alternate	Jeff Mason
	Alternate	Matt Schumacher
Unisys	Principal	Jeffrey Dremann
	Alternate	Phil Shelton
VMWare	Principal	Neil MacLean
	Alternate	Wenchao Cui
	Alternate	Wenhua Liu
	Alternate	Murali Rajagopal
	Alternate	Ahmad Tawil

## A.2 Attendance at this meeting

### A.2.1 Member organizations

The following is the list of member organizations and their representatives recorded in the online attendance registry as attending regular meeting #159 of the INCITS Fibre Channel (T11) Technical Committee:

<b>Organization</b>	<b>Representative(s)</b>
AMPHENOL CORP	Chris Lyon
BROADCOM INC	David Peterson
	Steven L. Wilson
CISCO SYSTEMS INC	Mark Allen
	Mike Blair
COMMSCOPE	Gary Gibbs
CORNING INC	David Kozischek
DATA CENTER SYSTEMS	Steve Eisele
DELL INC	David Piehler
	Vinay Sawal
	Erik Smith
FINISAR CORP	Vera Koleva
	Lance Thompson
FUJITSU AMERICA INC	Mark Malcolm
HEWLETT PACKARD ENTERPRISE	Barry Maskas
	Krishna Babu Puttagunta
IBM CORP	Patty Driever
	Roger Hathorn
KEYSIGHT TECHNOLOGIES INC	Stephen Didde
MACOM	Thomas Palkert
MARVELL SEMICONDUCTOR INC	Craig W. Carlson
	Raul Oteyza
	Dean Wallace
NETAPP INC	Frederick Knight
OFS FITEL LLC	Mabud Choudhury

VIAVI SOLUTIONS INC	Jason Rusch
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**A.2.2 Ad hoc meeting attendance**

FC-NVMe-2 ad hoc, members

Organization	Representative(s)
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FC-SW-8 ad hoc, members

Organization	Representative(s)
AMPHENOL CORP	Chris Lyon
BROADCOM INC	Howard Johnson
	David Peterson
	James Smart
	Steven Wilson
CISCO SYSTEMS INC	Mark Allen
DELL INC	Vinay Sawal
FUJITSU AMERICA INC	Mark Malcolm
HEWLETT PACKARD ENTERPRISE	Barry Maskas
IBM CORP	Patty Driever
	Roger Hathorn
MARVELL SEMICONDUCTOR INC	Craig Carlson
NETAPP INC	Frederick Knight

FC-PI-8 ad hoc, members

Organization	Representative(s)
AMPHENOL CORPORATION	Chris Lyon
	Gregory McSorley
BROADCOM INC	Ben Chu
	James Smart
	Steven Wilson

CISCO SYSTEMS INC	Mike Blair
	Xiaohong Wu
COMMSCOPE	Gary Gibbs
CORNING INC	David Kozischek
DATA CENTER SYSTEMS	Steve Eisele
DELL INC	David Brown
	David Piehler
FINISAR CORPORATION	Vera Koleva
	Lance Thompson
HEWLETT PACKARD ENTERPRISE	Barry Maskas
KEYSIGHT TECHNOLOGIIES INC	Stephen Didde
MARVELL SEMICONDUCTOR INC	Mike Dudek
	Raul Oteyza
OFS FITEL LLC	Mabud Choudhury
PANDUIT CORP	Jose Castro

FC-GS-9 ad hoc, members

<b>Organization</b>	<b>Representative(s)</b>
BROADCOM INC	Howard Johnson
	David Peterson
	James Smart
CISCO SYSTEMS INC	Mark Allen
	Mike Blair
DELL INC	DJ Brown
	Vinay Sawal
FUJITSU AMERICA INC	Mark Malcolm
HEWLETT PACKARD ENTERPRISE	Barry Maskas
IBM CORP	Patty Driever
	Roger Hathorn

NETAPP INC	Frederick Knight
VIAVI SOLUTIONS	Jason Rusch

FC-LS-5 ad hoc, members

Organization	Representative(s)
BROADCOM INC	Howard Johnson
	Dave Peterson
	James Smart
	Steven Wilson
CISCO SYSTEMS INC	Mark Allen
	Harsha Bharadwaj
	Mike Blair
DELL INC	Vinay Sawal
FUJITSU AMERICA INC	Mark Malcolm
HEWLETT PACKARD ENTERPRISE	Barry Maskas
IBM CORP	Patty Driever
	Roger Hathorn
MARVELL SEMICONDUCTOR INC	Craig Carlson
NETAPP INC	Frederick Knight
VIAVI SOLUTIONS	Jason Rusch

FC-FS-6 ad hoc, members

Organization	Representative(s)
BROADCOM	David Peterson
	Howard Johnson
	James Smart
	Steven Wilson
CISCO	Mark Allen
	Mike Blair

DELL INC	DJ Brown
	Vinay Sawal
FUJITSU AMERICA INC	Mark Malcolm
IBM	Patty Driever
	Roger Hathorn
MARVELL SEMICONDUCTOR INC	Craig Carlson
	Raul Oteyza
NETAPP INC	Frederick Knight

FC-RDMA ad hoc, members

Organization	Representative(s)

Joint T11.2/T11.3 ad hoc, members

Organization	Representative(s)

## Annex B Supporting Documents

### B.1 T11 Project Status

The following table indicates the status of all active T11 projects. It reflects the official status as reported on the T11 web site as of the T11 regular meeting #159 held on 04 June 2020.

Standard	Status	Action	Target or Reaffirm Date	Editor	Ad Hoc Chair	Secretary



Projects in Development Stage						
FC-FS-6	In dev.	To T11	Oct-20	Carlson	Peterson	Driever
FC-GS-9	In dev.	To T11	Dec-20	Rusch	Peterson	Driever
FC-LS-5	In dev.	To T11	Oct-20	Carlson	Driever	Rusch
FC-PI-8	In dev.	To T11	Dec-20	Rusch	Wallace	Wallace
FC-MSQS-3	In dev.	To T11	Dec-20	Castro	Wallace	Wallace
FC-RDMA	In dev.	To T11.	Oct.20	Peterson	Carlson	Peterson
FC-SW-8	In dev	To T11	Aug 20	Peterson	Carlson	Peterson
Projects in Approval Stage						
FC-PI-7P	At INCITS	1 <sup>st</sup> PR	Sep-20	Rusch	Wallace	Wallace

## B.2 INCITS SC 25 / WG4 project status

The following tables indicates the status of all active INCITS SC 25 / WG4 TAG projects. It reflects the official status as reported at the T11 regular meeting #160, 13 August 2020 in document T11-2020-00160-v000. The SC 25/WG 4 TAG project database is available in document [sc25-wg4-2018-00011-TAG-Project-Database](#).

### B.2.1 Active T11 SC25 WG4 TAG Projects

	ISO/IEC # (T11 allocated)	Status
FC-SP-2+AM1 NWIP	14165-432	<p>Submitted in July 2018.                      Resubmission email from INCITS/TIA on January 18, 2019                      Feb 22 – email from Juergen indicates IEC project was started                      JTC1-SC25/2860/NP ballot opened 3/1/2019 and closed 05/24/2019 –                      Stage: ACD – Approved for CD                      9/16/19 – CD circulated on 9/13/19</p> <ul style="list-style-type: none"> <li>- International (comments) due date: 12/06/2019</li> <li>- TAG (comments) Deadline: 11/06/2019</li> </ul> <p>Stage: PCC – Preparation of CC                      1/28/20 – No comments requesting changes received, with request for Word source                      6/03/20 – Received request for Word source again 😞                      DIS text was submitted to IEC for further processing. FDIS ballot should be issued shortly.</p>
FC-PI-7	14165-147	<p>JTC 1 fast track ballot opens June 5 and closes August 28, 2020. The Executive Board default position is to approve the project and objections are due by July 24, 2020</p>