

# Minutes

## T11.3 FC-FS-6 ad hoc work group regular meeting 10 August 2020 – 02:30PM – 05:00PM CDT Virtual Conference

The FC-FS-6 ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a regular meeting via virtual conferencing using the Zoom platform on 10 August 2020, hosted by Marvell. Attendance was 14 people from 7 organizations and is tabulated at the end of this document.

Minutes were taken by Patty Driever (IBM) (pgd@us.ibm.com). Corrections may be requested either before the subsequent meeting by email to pgd@us.ibm.com or at the subsequent meeting in person.

### **1 Opening remarks & Introductions**

Chairperson Dave Peterson (Broadcom) opened the regular meeting Monday, 10 August 2020 at 02:40 PM CDT. He thanked our host organization, Marvell, for setting up the Zoom meeting and led a round of introductions.

#### **1.1 Attendance and Membership**

The chair explained that attendance is recorded electronically at [www.incits.org](http://www.incits.org), and explained the procedure. Attendance at this meeting does not count toward attendance at the plenaries of T11 and its task groups (i.e., being here will not get you out or keep you out of membership jeopardy). The chair stated that all persons present are considered members of this meeting and may vote on questions, limited to one vote per company present. He advised that although T11 does not limit participation in the activities of its work groups to representatives of T11 member organizations, it requires nonmembers to identify themselves as such. Nonmembers that expect they may participate in the activities of T11 regularly were encouraged to become members.

#### **1.2 Patents**

The chair indicated that among the rules and policies under which this working group operates are the ANSI intellectual property policies as specified in pages 1-3 of [http://www.incits.org/pat\\_slides.pdf](http://www.incits.org/pat_slides.pdf). He displayed these pages without comment or explanation, and directed that questions about the policy should be referred to the questioner's legal counsel or the ANSI General Counsel.

#### **1.3 Antitrust**

The chair indicated that among the rules and policies under which this working group operates are the INCITS Antitrust Guidelines. Any member of the meeting is responsible for objecting if he believes discussion in the meeting violates those guidelines. As examples, there should never be discussion of the following topics at any INCITS or INCITS subgroup meeting:

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

If such discussion is not immediately terminated, it is the chairperson's responsibility to terminate the meeting. The INCITS Antitrust Guidelines are available at <http://www.incits.org/inatrust.htm>.

## **2 Approval of Agenda**

An agenda for the FC-FS-6 ad hoc work group regular meeting 10 August 2020 has been posted as T11-2020-00155-v000.

Howard Johnson (Broadcom) moved and Mark Malcolm (Fujitsu) seconded to accept T11-2020-00155-v000 as the agenda for this regular meeting. Approved unanimously.

## **3 Review of Past Business**

### ***3.1 Review of Minutes***

Minutes for the FC-FS-6 ad hoc work group regular meeting 03 June 2020 have been posted as T11/2020-00127-v000.

Mark Malcolm (Fujitsu) moved and Howard Johnson (Broadcom) seconded to accept T11/2020-00127-v000 as the minutes of the FC-FS-6 ad hoc work group meeting on 03 June 2020. Approved unanimously.

### ***3.2 Review of Old Action Items***

#### **Action Items Carried Forward:**

- |                |  |
|----------------|--|
| <b>1910-01</b> | Editor to remove Annex J and any references to it from the next draft version of FC-FS-6 ( <b>CARRY</b> )  |
| <b>1910-02</b> | Dave Peterson to work with Howard Johnson on best means to craft diagrams to ensure they can be incorporated by the editor using FrameMaker ( <b>CARRY</b> ) |

#### **New Action Items Identified Last Meeting:**

None

## **4 Old Business**

### ***4.1 A Beautiful Day in the Neighborhood (2020-00011-v003 and 2020-00012-v003) Howard Johnson (Broadcom)***

Howard picked up where we left off at the last meeting. Howard updated the example section of the proposed annex and reviewed those changes with us.

Howard, of course, received more feedback on additional example variations that would be helpful. He'll bring those back next time.

## **5.0 New Business**

### **5.1 Table 37 Updates (2020-00167-v000) Peterson (Broadcom)**

Security Key Distribution and Time Service have been obsoleted as well-known address servers, so we need to mark them as such.

Dave Peterson (Broadcom) made a motion, seconded by Mark Malcolm (Fujitsu) to mark these two well-known addresses as obsoleted in the next revision of FC-FS-6, as noted in T11-2020-00167-v000. Motion carried unanimously.

### **5.2 Project Proposal for FC-Persistent Memory (2020-00162-v000) Peterson (Broadcom)**

We had an FC-RDMA proposal with an INCITS project number. Dave proposed that we change the name to FC-PM because the focus is on a persistent memory access solution over FC, and not more generically on RDMA. Dave Peterson (Broadcom) made a motion, seconded by Mark Malcolm (Fujitsu), that we recommend to T11.3 to approve the FC-PM project proposal and forward to T11 for further processing. Motion carried unanimously.

## **6 Unscheduled Business**

## **7 Project Schedule**

<b>Milestone</b>	<b>Expected Date</b>
Last technical input	TBD
T11 Letter Ballot	TBD
Forward to INCITS	TBD

Once the physical layer work progresses, we will have a better sense of how to set realistic dates for this.

## **8 Review of Action Items**

### **Action Items Carried Forward:**

- 1910-01** Editor to remove Annex J and any references to it from the next draft version of FC-FS-6.
- 1910-02** Dave Peterson to work with Howard Johnson on best means to craft diagrams to ensure they can be incorporated by the editor using FrameMaker.

### **New Action Items:**

- 2008-01** Editor to incorporate changes noted in 2020-00167-v000 (to mark as obsoleted two well-known addresses)

**2008-02** Chair to request T11.3 approve the project proposal containing a name change of FC\_RDMA to FC-PM (Persistent Memory) as documented in T11-2020-00162-v000, and forward to T11 for further processing.

## 9 Meeting Schedule

### 9.1 Next Plenary Week

Request 3 hours for FC-FS-6 at the virtual T11 plenary week 05 October – 09 October 2020.

## 10 Adjournment

Howard Johnson (Broadcom) moved and Roger Hathorn (IBM) seconded to adjourn. Approved unanimously.

The regular meeting was adjourned at 03:29 PM CDT on 10 August 2020.

## 11 Attendance

Organization	Representative	T11.3 Member Company
BROADCOM LIMITED	Howard Johnson	Y
BROADCOM LIMITED	David Peterson	Y
BROADCOM LIMITED	James Smart	Y
BROADCOM LIMITED	Steven Wilson	Y
CISCO SYSTEMS INC	Mark Allen	Y
CISCO SYSTEMS INC	Mike Blair	Y
DELL INC	DJ Brown	Y
DELL INC	Vinay Sawal	Y
FUJITSU AMERICA INC	Mark Malcolm	Y
IBM	Patty Driever	Y
IBM	Roger Hathorn	Y
MARVELL SEMICONDUCTOR	Craig W. Carlson	Y
MARVELL SEMICONDUCTOR	Raul Oteyza	Y
NETAPP INC	Frederick Knight	Y