

# **Minutes**

## **T11.3 FC-PM ad hoc work group regular meeting**

### **05 Apr, 2021 – 1:30PM-02:00PM CDT**

### **Virtual Meeting**

The FC-PM ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a regular meeting virtually via Zoom on 05 Apr, 2021, hosted virtually by Marvell. Attendance was 12 people from 7 organizations and is tabulated at the end of this document.

Roger Hathorn (IBM) ([rhathorn@us.ibm.com](mailto:rhathorn@us.ibm.com)) took minutes. Please report any corrections by email at [fc\\_protocol@standards.incits.org](mailto:fc_protocol@standards.incits.org)

## **1 Opening Remarks**

### ***Introductions***

Chairperson Craig Carlson (QLogic) opened the regular meeting on 05 Apr, 2021 at 01:52 PM CDT and led a round of introductions and thanked the host (Marvell) for providing the Zoom meeting facilities.

## **2 Meeting Policy**

### ***2.1 Attendance and Membership***

The chair explained that attendance is recorded electronically at <https://standards.incits.org/apps/org/workgroup/t11>, 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.

### ***2.2 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.

## **2.3 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>

## **3.0 Approval of Agenda**

An agenda for the FC-PM ad hoc work group regular meeting 05 Apr, 2021 was posted as T11/2021-00089-v000.

*Motion: Davis Peterson (Broadcom) moved and Mike Blair (Cisco) seconded to accept T11/2021-00089-v000 as amended as the agenda for this regular meeting.*

Approved by acclamation.

## **4.0 Past Business**

### **4.1 Review of Minutes**

*Motion: Davis Peterson (Broadcom) moved and Mike Blair (Cisco) seconded to accept the following document as the official minutes for the previous regular meeting*  
*Approved by acclamation.*

T11-2021-00036-v000.pdf  
FC-PM Feb 01, 2021 Ad-hoc Meeting Minutes

### **4.2 Review of Old Action Items**

**Action items carried forward from prior meetings:**

None

**New action items from this meeting:**

None

**Completed action items from prior meetings:**

None

## **5. Old business**

### **5.1 FC-PM Draft Standard Development (T11-2021-00005-v001, Peterson, Broadcom)**

David presented updates to this deck about various topics to be covered by the standard. The discussion was focused on requirements for lossless transport and in order delivery for RDMA solutions. There was differing opinions on possible industry trends on use of PFC and ECN. It was noted that performance and latency issues in current solutions with potential out of order delivery could be better addresses with a fabric that provides in order delivery.

No motions we made and there were no new action items.

## **6. Scheduled business**

None

## **7. Unscheduled business**

None

## **8 Project Schedule**

A project schedule was discussed and results follow.

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

## **9 Review of Action Items**

See 4.2, Review of Old Action Items.

## **10 Meeting Schedule**

The chair will request 1 hour at the T11 plenary week for FC-PM in Jun, 2021. No interim conference calls will be scheduled.

## 11 Attendance Check and Adjournment

Company 	Name	Role
Broadcom Inc	Howard Johnson	Member
Broadcom Inc	David Peterson	Member
Broadcom Inc	James Smart	Member
Broadcom Inc	Anil Veerabhadrapa	Member
Broadcom Inc	Steven Wilson	Member
Cisco Systems Inc	Mike Blair	Member
Cisco Systems Inc	Edward Mazurek	Member
Cisco Systems Inc	Ramesh Sivakolundu	Member
Dell Inc	David Brown	Member
Hewlett Packard Enterprise	Barry Maskas	Member
IBM Corporation	Roger Hathorn	Vice Chair
Marvell Semiconductor Inc	Raul Oteyza	Member
NetApp Inc	Frederick Knight	Member

***Motion:***

***Howard Johnson (Broadcom) moved Mike Blair (Cisco) seconded to adjourn.***

***Approved by acclamation.***

The regular meeting was adjourned at 3:10 PM CDT on 05 Apr, 2021.