

Minutes
T11.3 FC-FS-6 ad hoc work group regular meeting
13 August 2019 – 10:30AM – 12:00PM MDT
Santa Fe, NM, USA

The FC-FS-6 ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a regular meeting at Santa Fe, New Mexico on 13 August 2019, hosted by Marvell. Attendance was 14 people from 9 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 Tuesday, 13 August 2019 at 09:31 AM MDT. He thanked our host organization, Marvell, and led a round of introductions.

1.1 Attendance and Membership

The chair explained that attendance is recorded electronically at 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. 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 13 August 2019 has been posted as T11-2019-00218-v000.

Howard Johnson (Broadcom) moved and Alan Rajapa (Dell) seconded to accept T11-2019-00218-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 04 June 2019 have been posted as T11/2019-00166-v000.

Howard Johnson (Broadcom) moved and Jason Rusch (Viavi) seconded to accept T11/2019-00166-v000 as the minutes of the FC-FS-6 ad hoc work group meeting on 04 June 2019. Approved unanimously.

3.2 Review of Old Action Items

Action Items Carried Forward:

1904-01 Mike Blair to research informative Annex J's applicability to Cisco (or perhaps beyond). **(CARRY)**

New Action Items Identified Last (Interim) Meeting:

None

4 Old Business

4.1 Name Identifiers for the 21st Century (2019-00071-v004) Ralph Weber (T10/Western Digital)

Ralph had posted the updated doc from last time and only received a few minor editorial comments. He reviewed them with us here.

Dave Peterson made a motion to approve 2019-00071-v004 for inclusion into FC-FS-6. Seconded by Jason Rusch (Viavi). Motion passed unanimously.

5.0 Scheduled Business

5.1 A Beautiful Day in the Neighborhood (2019-00083-v001 and 2019-00215-v001) Howard Johnson (Broadcom)

Howard posted the text a few weeks ago and got some early feedback, so v001 reflects that input.

Text is around the Warning and Alarm signals. Howard reviewed the specific text changes and received some suggested updates. More than he had planned for. He'll be back.

6 Unscheduled Business

7 Project Schedule

Milestone	Expected Date
Last technical input	TBD
T11 Letter Ballot	TBD
Forward to INCITS	TBD

Since the reason for opening FS-6 was for 128GFC, there is strong reluctance to close out FC-FS-6 until that is included. The possibility of an amendment was raised to include the new basic link services, but one concern is that there is no support in ISO for amendments. We would have to replace the entire FS-5 standard. We left open the possibility of someone bringing in a proposal for a FS-5 amendment if they see a need for it.

8 Review of Action Items

Action Items Carried Forward:

1904-01 Mike Blair to research informative Annex J's applicability to Cisco (or perhaps beyond).

New Action Items:

1908-01 Editor to incorporate 2019-00071-v004 into FC-FS-6.

1908-02 Howard to post 2019-00215-v002 to incorporate text changes identified in this meeting.

9 Meeting Schedule

9.1 Next Plenary Week

Request 2 hours for FC-FS-6 at the T11 plenary week in Couer d'Alene, Idaho 07 October – 11 October 2019.

10 Adjournment

Howard Johnson (Broadcom) moved and Alan Rajapa (Dell) seconded to adjourn. Approved unanimously.

The regular meeting was adjourned at 11:50 PM MDT on 13 August 2019.

11 Attendance

Organization **Representative** **T11.3 Member Company**

Organization	Representative	T11.3 Member Company
BROADCOM LIMITED	David Baldwin	Y
BROADCOM LIMITED	David Peterson	Y
BROADCOM LIMITED	Howard Johnson	Y
BROADCOM LIMITED	Steven Wilson	Y
CISCO SYSTEMS INC	Mike Blair	Y
CISCO SYSTEMS INC	J Metz	Y
DELL INC	Alan Rajapa	Y
FUJITSU INC	Mark Malcolm	Y
IBM	Patty Driever	Y
IBM	Roger Hathorn	Y
MARVELL SEMICONDUCTOR	Craig W. Carlson	Y
NETAPP	Frederick Knight	Y
VIAVI SOLUTIONS	Jason Rusch	Y
WESTERN DIGITAL	Ralph Weber	N