

Minutes

T11.3 FC-FS-6 ad hoc work group regular meeting

09 August 2022 – 10:00AM – 12:00PM CDT

Chicago, IL (Hybrid)

The FC-FS-6 ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a regular meeting in Chicago, IL hosted by Cisco along with virtual conferencing facilities using the Zoom platform provided by Marvell on 09 August 2022. Attendance was 14 people from 8 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, 09 August 2022 at 10:30 AM CDT. He thanked our in-person host organization, Cisco, along with Marvell for providing the Zoom meeting facilities, 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 Code of Conduct

The chair referenced the INCITS Code of Conduct and suggested everyone become familiar with its content. It can be found on the INCITS website at the following link:
https://standards.incits.org/apps/group_public/document.php?document_id=124850&wg_abbrev=eb

It will be reviewed at the plenary meetings and in all Ad Hoc meetings as well.

1.3 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.

1.4 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 09 August 2022 has been posted as T11-2022-00232-v000.

Craig Carlson (Marvell) moved and Howard Johnson (Broadcom) seconded to accept T11-2022-00232-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 15 June 2022 have been posted as T11/2022-00198-v000.

Howard Johnson (Broadcom) moved and Craig Carlson (Marvell) seconded to accept T11/2022-00198-v000 as the minutes of the FC-FS-6 ad hoc work group meeting on 15 June 2022. Approved unanimously.

3.2 Review of Old Action Items

Action Items Carried Forward:

None

New Action Items Identified Last Meeting:

2206-01 Editor to incorporate T11-2022-00178-v000 into FC-FS-6 (**CARRY**)

2206-02 Dave Peterson to post T11-2022-00165-v002 with modifications defined today to v001(**COMPLETE**)

2206-03 Editor to incorporate T11-2022-00165-v002 into FC-FS-6 (**CARRY**)

We agreed to recess until 4:00pm CDT at which time Anil will make the Unscheduled Business presentation below.

Meeting resumed at 4:00pm CDT.

4 Old Business

4.1

5.0 New Business

5.1

6 Unscheduled Business

6.1 128GFC Link Bring-Up Flow Sequence (T11-2022-00186-v001) Mehta (Broadcom)

Anil presented some changes for FC-FS-6 needed that have been agreed to in FC-PI-8. For 128GFC they defined some new terminology (e.g. ‘module client side’ and ‘module line side’, and ‘squelch’), and this new terminology will need to be go into FC-FS-6. What was presented was high-level, so the editor will need to appropriate words for the definition. Also the diagrams showing what these things are and relationship of timings needs to be included, but they were developed in visio, and need to be converted to FrameMaker.

Dave Peterson (Broadcom) moved and Craig Carlson (Marvell) seconded to incorporate T11-2022-00186-v001 as modified (T11-2022-00186-v002) into FC-FS-6. Motion carried unanimously.

7 Project Schedule

Milestone	Expected Date
Last technical input	August 2022
RFC Ballot	October 2022

T11 Letter Ballot	TBD
Forward to INCITS	TBD

8 Review of Action Items

Action Items Carried Forward:

2206-01 Editor to incorporate T11-2022-00178-v000 into FC-FS-6

2206-03 Editor to incorporate T11-2022-00165-v002 into FC-FS-6

New Action Items:

2208-01 Anil Mehta (Broadcom) to post T11-2022-00186-v002 with slight modification of the diagram

2208-02 Editor to incorporate T11-2022-00186-v002 into FC-FS-6

9 Meeting Schedule

9.1 Next Plenary Week

Request 2 hours for FC-FS-6 at the hybrid face-to-face/virtual T11 plenary week 03 October – 07 October 2022.

10 Adjournment

Howard Johnson (Broadcom) moved and Ed Mazurek (Cisco) seconded to adjourn. Approved unanimously.

The regular meeting was adjourned at 04:31 PM CDT on 09 August 2022.

11 Attendance

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

BROADCOM LIMITED	Howard Johnson	Y
BROADCOM LIMITED	Anil Mehta	Y
BROADCOM LIMITED	David Peterson	Y
BROADCOM LIMITED	James Smart	Y
CISCO SYSTEMS INC	Harsha Bharadwaj	Y
CISCO SYSTEMS INC	Mike Blair	Y
CISCO SYSTEMS INC	Ed Mazurek	Y
DELL INC	David Brown	Y
HEWLETT PACKARD ENTERPRISE	Barry Maskas	Y
IBM	Patty Driever	Y
IBM	Roger Hathorn	Y
MARVELL SEMICONDUCTOR	Craig W. Carlson	Y
NETAPP INC	Frederick Knight	Y
VIAVI SOLUTIONS INC	Jason Rusch	Y