

Minutes
T11.3 FC-LS-4 ad hoc work group regular meeting
03 October 2018 – 9:20AM to 10:32AM CDT
New Orleans, LA, USA

The FC-LS-4 ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a regular meeting at New Orleans, Louisiana, USA on 03 October 2018, hosted by FCIA. Attendance was 13 people from 9 organizations and is tabulated at the end of this document.

Minutes were taken by Jason Rusch (Viavi Solutions) (jason.rusch@viavisolutions.com). Please report any corrections by email to the T11.3 reflector at T11_3@mail.T11.org.

1 Opening Remarks and Introductions

Chairperson Patty Driever (IBM) opened the regular meeting on Wednesday, 03 October 2018 at 09:20 AM CDT. She led a round of introductions and thanked our host organization, FCIA.

1.1 Attendance and Membership

The chair explained that attendance is recorded electronically at <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. She 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 slides 1-3 of http://www.incits.org/patent_slides.pdf. She 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 she 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/standards-information/legal-info>.

2.0 Approval of Agenda

An agenda for the FC-LS-4 ad hoc work group regular meeting 03 October 2018 was posted as T11-2018-00274-v001.

Howard Johnson (Broadcom) moved and Mike Blair (Cisco) seconded to accept T11-2018-00274-v001 as the agenda for this regular meeting. Approved by acclamation.

3.0 Review of Past Business

3.1 Review of Minutes

Minutes for the FC-LS-4 ad hoc work group regular meeting 15 August 2018 have been posted as T11-2018-00240-v000.

Howard Johnson (Broadcom) moved and Mike Blair (Cisco) seconded to accept T11-2018-00240-v000 as the official minutes for the regular meeting on 15 August 2018. Approved by acclamation.

3.2 Review of Old Action Items

Action items carried forward from prior meetings:

- 1710-02 Editor to incorporate T11-2017-00095-v004 into FC-LS-4. **(COMPLETE)**
- 1806-02 Editor to incorporate T11-2018-00096-v002 into FC-LS-4. **(COMPLETE)**

New action items from last meeting:

- 1808-01 Dave Peterson to post T11-2018-00121-v002 as modified. **(COMPLETE)**
- 1808-02 Editor to incorporate the FC-LS-4 specific content (slides 6-12) of T11-2018-00121-v003 into FC-LS-4. **(COMPLETE)**

The editor posted FC-LS-4 revision 4.02 as T11-2018-00259-v000.

4 Old Business

4.1 Sample Text for Port Congestion Descriptor for RDP

[T11-2018-00164-v001] Blair (Cisco)

Mike presented text for the Port Congestion Descriptor for RDP. He began with a recap of the descriptor contents and functionality. The group proposed an upper limit to the Delay Interval field for Tx and Rx buffer-to-buffer credit delay and agreed that it should not exceed E_D_TOV. It was also decided to leave the value of 0 as is.

Completing a request from a prior meeting, the Port Congestion Descriptor field names were simplified to shorter name formats. The descriptions of the fields were also updated. A table was added to further explain the Counter Validity Bit Mask values.

Mike Blair (Cisco) moved and Roger Hathorn (IBM) seconded to approve T11-2018-00164-v001 as modified for inclusion in FC-LS-4. Approved by acclamation.

5 New Business

5.1 Editor's Comments on T11-2018-00259-v000.

[T11-2018-00258-v000] Carlson (Marvell)

The editor received notification of a duplicate clause present in FC-LS-4, which resolved the outstanding questions from the editor. No further discussion was required.

6 Unscheduled Business

None.

7 Project Schedule

Milestone	Expected Date
Last technical input	August 2018
T11 Letter Ballot	December 2018
Forward to INCITS	April 2019

8 Review of Action Items

Action items carried from prior meetings:

None.

New action items:

1810-01 Mike Blair (Cisco) to upload T11-2018-00164-v001 as modified.

1810-02 Editor to incorporate T11-2018-00164-v0002.

9 Meeting Schedule

9.1 Next Plenary Week

Request 1 hour for FC-LS-4 at the T11 plenary week in Raleigh, NC, 3 - 7 December 2018.

10 Adjournment

Dave Peterson (Broadcom) moved and Mike Blair (Cisco) seconded to adjourn. Approved by acclamation.

The regular meeting was adjourned at 11:32 AM CDT on 03 October 2018.

11 Attendance

Organization	Representative	Member Company
Broadcom Inc	David Baldwin	Member
Broadcom Inc	Howard Johnson	Member
Broadcom Inc	David Peterson	Member
Cisco Systems Inc	Mike Blair	Member
Dell Inc	Alan Rajapa	Member
Fujitsu America Inc	Mark Malcolm	Member
Hewlett Packard Enterprise	Krishna Babu Puttagunta	Member
IBM Corporation	Patty Driever	Group Chair
IBM Corporation	Roger Hathorn	Member
Marvell Semiconductor Inc	Craig Carlson	Member
Marvell Semiconductor Inc	Raul Oteyza	Member
NetApp Inc	Frederick Knight	Member
Viavi Solutions Inc	Jason Rusch	Secretary