

T11.3 FC-LS-5 Ad Hoc Working Group Regular Meeting Minutes

5 February 2020 – 9:00 AM to 10:05 AM CST

Fort Worth, TX, USA

The FC-LS-5 ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a regular meeting at Fort Worth, TX, USA on 5 February 2020, hosted by DCS. Attendance was 18 people from 11 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, 5 February 2020 at 9:00 AM CST. She led a round of introductions and thanked our host organization, DCS.

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-5 ad hoc work group regular meeting 5 February 2020 was posted as T11-2020-00033-v000.

Howard Johnson (Broadcom Inc) moved and Alan Rajapa (Dell) seconded to accept T11-2020-00033-v000 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-5 ad hoc work group regular meeting 4 December 2019 have been posted as T11-2019-00357-v000.

Alan Rajapa (Dell) moved and Howard Johnson (Broadcom Inc) seconded to accept T11-2019-00357-v000 as the official minutes for the regular meeting on 4 December 2019. Approved by acclamation.

3.2 Review of Old Action Items

Action items carried forward from prior meetings:

None.

New action items from the previous meeting:

1910-01 FC-LS-5 Editor to incorporate T11-2019-00098-v002 as modified into the FC-LS-5 draft standard. [COMPLETE]

4 Old Business

4.1 Fabric Notification – Is There Anybody Out There?

[T11-2020-00013-v000, T11-2020-00014-v000] Johnson (Broadcom Inc)

Howard led a discussion continuing the review of the text proposal. He summarized the changes made as a result of the previous discussion, including modifying the RDF ELS to be consistent with RDP and creating a list format for FPIN events. The modified text for these changes was then reviewed, and the group provided feedback.

A discussion ensued regarding whether to modify or remove the text implying that Fabrics are implicitly registered to receive FPINs after a successful FLOGI. The implications of sending FPIN into a Fabric that may not be aware of them, as well as the case where the Fabric sends LS_RJT in response to an FPIN (closed exchange) were also discussed. Although the proposed text is consistent with RSCN, Howard will review the text for the next meeting.

Howard will modify the text proposal with the feedback discussed at this meeting and will post a new version. The revised version will be reviewed in detail at the next meeting cycle.

5 New Business

None.

6 Unscheduled Business

None.

7 Project Schedule

Milestone	Expected Date
Last technical input	October 2020
RFC Ballot	TBD
T11 Letter Ballot	TBD
Forward to INCITS	TBD

8 Review of Action Items

Action items carried forward from prior meetings:

None.

New action items from this meeting:

None.

9 Future Meeting Schedule

9.1 Interim Conference Call

None.

9.2 Next Plenary Week

Request 3 hours for FC-LS-5 at the T11 plenary week in Deerfield Beach, FL, April 6-9, 2020.

10 Adjournment

Howard Johnson (Broadcom Inc) moved and Alan Rajapa (Dell) seconded to adjourn. Approved by acclamation.

The regular meeting was adjourned at 10:05 AM CST on 5 February 2020.

11 Attendance

Organization	Representative	Member Company
Broadcom Inc	David Baldwin	Member
Broadcom Inc	Howard Johnson	Member
Broadcom Inc	David Peterson	Member
Broadcom Inc	Steven Wilson	Member
Cisco Systems Inc	Harsha Bharadwaj	Member
Cisco Systems Inc	Mike Blair	Member
Corning Inc	David Kozischek	Member

Dell Inc	Alan Rajapa	Member
Fujitsu America Inc	Mark Malcolm	Member
Hewlett Packard Enterprise	Barry Maskas	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
Teledyne LeCroy Corporation	Henry Poelstra	Member
Teledyne LeCroy Corporation	David Rodgers	Member
Viavi Solutions Inc	Jason Rusch	Secretary