

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

7 December 2021 – 9:00 AM to 10:25 AM EST

Hybrid Meeting

The FC-LS-5 ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a hybrid meeting in Deerfield Beach, FL on 7 December 2021, hosted by Amphenol, with Zoom meetings provided by Marvell. Attendance was 11 people from 7 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

FC-LS-5 group chair Patty Driever (IBM) opened the hybrid meeting on Tuesday, 7 December 2021 at 9:00 AM EST. The chair led a round of introductions and thanked our host organization, Amphenol, and Marvell for hosting the Zoom meetings.

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. The chair 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 INCITS Code of Conduct

The chair displayed the INCITS Code of Conduct policy:

https://standards.incits.org/apps/group_public/download.php/124850/INCITS-CodeOfConduct.pdf.

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 slides 1-3 of http://www.incits.org/patent_slides.pdf. The chair 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 they believe 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 7 December 2021 was posted as T11-2021-00338-v000.

Dave Peterson (Broadcom Inc) moved and Roger Hathorn (IBM) seconded to accept T11-2021-00338-v000 as modified 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 5 October 2021 have been posted as T11-2021-00269-v000.

Dave Peterson (Broadcom Inc) moved and Roger Hathorn (IBM) seconded to accept T11-2021-00269-v000 as the official minutes for the regular meeting on 5 October 2021. Approved by acclamation.

3.2 Review of Old Action Items

Action items carried forward from prior meetings:

- 2104-01** FC-LS-5 Editor to incorporate T11-2021-00015-v002 (Target Credit Stall: Tying Things Up) into FC-LS-5. **[Carry]**
- 2106-01** Editor to review T11-2021-00121-v000 (Fabric Notification – Editorial comments) and incorporate as appropriate. **[Carry]**

New action items from the previous meeting:

None.

4 Old Business

4.1 Fabric Notifications – ELS and Descriptor Technical Comments - Technical comments discovered while reviewing the Fabric Notifications text

[T11-2021-00125-v003]

Johnson (Broadcom Inc)

Howard reviewed the technical text changes suggested in the October Ad Hoc meeting and a motion was made for incorporation.

Howard Johnson (Broadcom Inc) moved and Roger Hathorn (IBM) seconded to incorporate T11-2021-00125-v003 as modified into FC-LS-5. Approved by acclamation.

4.2 Fabric Notifications – Just One More Thing

[T11-2021-00011-v006]

Johnson (Broadcom Inc)

Howard summarized the changes suggested based on the October meeting discussion, and then provided an overview of the text in detail (see T11-2021-00125-v003).

4.3 Sequential Delivery Cleanup

[T11-2021-00135-v005, T11-2021-00039-v002]

Peterson (Broadcom Inc)

Dave led a review of the technical comments related to Sequential Delivery. The group came to an agreement that the obsolescence of the Preference bit should be presented in a separate proposal. The Preference bit text will remain in this proposal.

Dave Peterson (Broadcom Inc) moved and Roger Hathorn (IBM) seconded to incorporate T11-2021-00135-v005 as modified into FC-LS-5. Approved by acclamation.

4.4 Platform Name Login Extension

[T11-2021-00196-v002]

Peterson (Broadcom Inc)

This proposal was deferred to the next meeting.

5 New Business

5.1 Knock Three Times

[T11-2021-00328-v000, T11-2021-00346-v000]

Johnson (Broadcom Inc)

Howard provided a brief introduction and overview of the proposal. The proposal and additional content will be reviewed at the next Ad Hoc meeting.

5.2 Text Proposal for Adding NVMe-NQN Registration/Query in FC Fabric

[T11-2021-00334-v000]

Bharadwaj (Cisco)

Time did not permit for this proposal.

6 Unscheduled Business

None.

7 Project Schedule

Milestone	Expected Date
Last Technical Input	October 2020
RFC Ballot	April 2022
T11 Letter Ballot	TBD
Forward to INCITS	TBD

8 Review of Action Items

Action items carried forward from prior meetings:

- 2104-01** FC-LS-5 Editor to incorporate T11-2021-00015-v002 (Target Credit Stall: Tying Things Up) into FC-LS-5.
- 2106-01** FC-LS-5 Editor to review T11-2021-00121-v000 (Fabric Notification – Editorial comments) and incorporate as appropriate.

New action items from this meeting:

- 2112-01** FC-LS-5 Editor to incorporate T11-2021-00125-v003 as modified (Just One More Thing) into FC-LS-5.
- 2112-02** FC-LS-5 Editor to incorporate T11-2021-00135-v006 (Sequential Delivery) into FC-LS-5.

9 Future Meeting Schedule

9.1 Interim Conference Call

None.

9.2 Next Plenary Week

Request 2 hours for FC-LS-5 at the Hybrid T11 plenary week hosted in Raleigh, NC, February 7-11, 2022.

10 Adjournment

Dave Peterson (Broadcom Inc) moved and Roger Hathorn (IBM) seconded to adjourn. Approved by acclamation.

The regular meeting was adjourned at 10:25 AM EST on 7 December 2021.

11 Attendance

Organization	Representative	Member Company
Broadcom Inc	Howard Johnson	Member
Broadcom Inc	David Peterson	Member
Cisco Systems Inc	Harsha Bharadwaj	Member
Cisco Systems Inc	Edward Mazurek	Member
Cisco Systems Inc	Ramesh Sivakolundu	Member
Hewlett Packard Enterprise	Barry Maskas	Member
IBM Corporation	Patty Driever	Group Chair
IBM Corporation	Roger Hathorn	Member
Marvell Semiconductor Inc	Craig Carlson	Proj Editor
NetApp Inc	Frederick Knight	Member
Viavi Solutions Inc	Jason Rusch	Secretary