Minutes
T11.3 FC-LS-4 ad hoc work group regular meeting
28 March 2017 – 4:30PM to 6:30PM EDT
Deerfield Beach, Florida, USA

The FC-LS-4 ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a regular meeting at Deerfield Beach, Florida, USA on 28 March 2017, hosted by Molex. Attendance was 12 people from 8 organizations and is tabulated at the end of this document.

Minutes were taken by Patty Driever (IBM) (pgd@us.ibm.com). Please report any corrections by email to the T11.3 reflector at T11_3@mail.T11.org.

1 Opening Remarks

Introductions

Chairperson Lou Ricci (Dell) opened the regular meeting on Tuesday 28 March 2017 at 02:20 PM EDT and led a round of introductions and thanked Molex for organizing this week's events.

2 Meeting Policy

2.1 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.

2.2 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.

2.3 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

3.0 Approval of Agenda

An agenda for the FC-LS-3/4 ad hoc work group regular meeting 28 March 2017 was posted as T11-2017-00106-v000.

Howard Johnson (Brocade) moved and Guatam Shiroor (Broadcom) seconded to accept T11-2017-00106-v000 as the agenda for this regular meeting. Approved by acclamation.

4.0 Past Business

4.1 Review of Minutes

Howard Johnson (Brocade) moved and Roger Hathorn (IBM) seconded to accept T11/2017-00050-v000 as the official minutes for the regular meeting on 7 February 2017. Approved by acclamation.

4.2 Review of Old Action Items

Action items carried forward from prior meetings:

1610-04   Editor to incorporate 16-427v1 into FC-LS-4 **(CARRY)**
1612-03   Editor to incorporate 16-399v1 into FC-LS-4 **(CARRY)**

New action items from last meeting:

1702-01   Chair to request T11.3 to forward document 17-0029-v000 as containing the history of omitted letter ballot comment resolutions along with FC-LS-3 as contained in 16-395v3 to T11 for further processing **(COMPLETE)**

5 Old Business

6 New Business

6.1 Login Revisited - (2017-00095-v000) Johnson (Brocade)

This is related to prior discussions regarding whether a login is required before issuing an RDP command. We may need to clarify text regarding what conditions allow an LS-RJT to be sent. In that process Howard found what he believes are inconsistencies in the Data_Field size, specifically the field size before login. The spec text says values less than 256 are invalid for the RDP command, but the Common Service Parameter table (179) says the default value before login is 128. The intent is that the recipient of the ELS in the case where the sending did not log in first may send whatever size data response it has. If the receiver wants to limit the size it must first login, passing the maximum buffer size value it can handle. Otherwise it is assumed it can handle 2112 bytes. HOWEVER.....much heated discussion ensued around how such a rule needs to be stated, with various portions of the standard being used to argue for or against the clarity

of existing rules. Howard agreed to go away and take all of this into account, go back to the person/people who raised this issue of lack of clarity and/or conflicting statements, and come back with new proposed wording to address this.

6.2 RDP Counter Conundrum - (2017-00096-v000) Johnson (Brocade)

The base question here is how do you know if the counts have wrapped or were reset? Howard is proposing both a 'wrap occurred' bit and 'reset occurred' bit. And these bits would be reset upon first read.
This proposal was not accepted.

7 Unscheduled Business

None

8 Project Schedule

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

9   Review of Action Items

Action items carried from prior meetings:

1610-04   Editor to incorporate 16-427v1 into FC-LS-4
1612-03   Editor to incorporate 16-399v1 into FC-LS-4

New action items:

1704-01   Howard to identify text/rules for the size of the response to an RDP when the sender and receiver are not logged in with each other.

10 Meeting Schedule

Request 2 hours at the T11 plenary week in Anchorage, AK, 05-09 June 2017.

11 Attendance Check and Adjournment

Roger Hathorn (IBM) moved and Jason Rusch (Viavi) seconded to adjourn. Approved by acclamation.

The regular meeting was adjourned at 03:53 PM EDT on 28 March 2017.

Organization	Representative	Member Company
BROADCOM LIMITED	Gautam Shiroor	Y
BROCADE	Howard Johnson	Y
BROCADE	David Peterson	Y
BROCADE	Steven L Wilson	Y
DELL INC	Louis Ricci	Y
FUJITSU AMERICA INC	Mark Malcolm	Y
IBM	Patty Driever	Y
IBM	Roger Hathorn	Y
NETAPP	Frederick Knight	Y
ORACLE	Joe Chen	Y
ORACLE	Roger Dickerson	Y
VIAVI SOLUTIONS	Jason Rusch	Y