

Draft Minutes

T11.3 FC-LS-3 ad hoc work group regular meeting

3 June 2013 – 10:00AM to 12:00PM PST

Couer d'Alene, Idaho, USA

The FC-LS-3 ad hoc work group of the Fibre Channel Protocol (T11.3) Task Group held a regular meeting at Couer d'Alene, Idaho, USA on 3 June 2013, hosted by FCIA and Chris Lyon. Attendance was 11 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

1.1 Introductions

Chairperson Lou Ricci (EMC) opened the regular meeting on Monday 3 June 2013 at 9:23 AM PST.

1.2 Review of Minutes

One correction was made to the minutes regarding an incomplete sentence in item 6.2.

Dave Peterson (Brocade) moved and Erik Smith (EMC) seconded to accept T11/13-151v1 as amended as the official minutes for the regular meeting on 4 April 2013. Approved by acclamation with one abstention.

2 Approval of Agenda

An agenda for the FC-LS-3 ad hoc work group regular meeting 3 June 2013 was posted as T11/13-209v0.

Dave Peterson (Brocade) moved and Landon Noll (Cisco) seconded to accept T11/13-209v0 as the agenda for this regular meeting. Approved by acclamation.

3 Meeting Policy

3.1 Attendance and Membership

The chair explained that attendance is recorded electronically at www.t11.org/att, 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.

3.2 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.

3.3 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>

4 Review of Old Action Items

1206-002 Craig Carlson (Qlogic) to incorporate T11/12-206v1 into FC-LS-3 (**CARRY**)

1212-001 Roger Hathorn to post updated version of presentation: VN_Port Phy Type Identification (12-384v2) (**COMPLETE—posted as 13-054v0**)

1212-002 Craig Carlson (Qlogic) to incorporate T11/13-054v0 into FC-LS-3 (**CARRY**)

1302-001 Roger Hathorn (IBM) to follow up on units of measure and ranges for values in the SFP Diagnostic Descriptor (13-030v0) (**CARRY**)

1302-002 Editor to incorporate T11/13-030v0 slide 11 changes (regarding bit definitions for 32Gb FC) into FC-LS-3 section 4.2.36.4 (**CARRY**)

1302-004 Editor to incorporate T11/13-035v1 text changes into FC-LS-3 (**CARRY**)

1304-001 Dave Peterson (Brocade) to provide update to presentation 13-028v1 incorporating group discussion and decisions. (**COMPLETE – on current agenda as item 13-028v2**)

1304-002 Dave Peterson (Brocade) to revise 13-130v0 incorporating group comments in proposing solution to the problem identified in 13-130v0. (**COMPLETE – on current agenda as item 13-130v1**)

5 Old Business

5.1 WWPN Persistence via FLOGI (12-381v0) Smith (EMC)

Deferred to future meeting by presenter. Also moved as Action Item for future tracking.

6 New Business

6.1 How Much Power Do YOU Have? (13-030v1) Hathorn (IBM)

This was an update to the proposal originally presented in February (13-030v0) and modified to use TLVs per current direction documented by Dave Petersen in 13-028. Roger added a new Port_ID descriptor (despite Lou's frustration that it now takes 20 bytes to describe 3). The Reply Sequence will also now include the new Link Service Request Descriptor that Dave had proposed earlier. Group consensus was that this descriptor will be required in all TLV-format LS_ACC Reply Sequences.

(New Action Item: Roger to prepare update based on group discussion and decisions).

6.2 Read Diagnostic Parameters (13-208v0) Hathorn (IBM)

This was a proposal that contains the text updates required in support of the new RDP ELS command proposed in 13-030v1. Various updates were suggested (e.g. use of 'N_Port_ID' vs 'Port_ID', elimination of 'sync state' and 'port state'), and Roger agreed to work on updates to the text based on today's input.

(New Action Item: Roger to prepare update based on group discussion and decisions).

6.3 Type, Length, Value (TLV) Usage (13-028v2) Peterson (Brocade)

This was an update to the proposal originally presented in February (13-028v0) and revisited in April (13-028v1). The various standards have been inconsistent in terms of how TLV descriptors are depicted in tables in the various documents. We agreed that the table format that shows word numbers and bit/byte/word definitions within the words should be used as we move forward. Additional discussion regarding which Descriptors will be documented in a common FC-LS Descriptor Overview section vs which will be documented in the individual ELSs that use them. General consensus is that they should all be documented in one common area, although this may be revisited. Dave reviewed the format of the Link Service Request Information Descriptor – based on earlier discussion he added words that this descriptor will be returned in every Link Service Accept, and shall be the first descriptor included in that Accept. Dave made a motion that we accept his newly proposed text to this effect, and that we accept the document (13-028v2) with this text added and with changes to tables 1 and 3 to reflect the format agreed to above. Motion seconded by Landon Noll (Cisco). After discussion about desired changes, Dave has agreed to table his motion.

(New Action Item: Dave to prepare update based on group discussion and decisions).

6.4 How Looong is Your Login? (13-130v1) Peterson (Brocade)

Due to time constraints we did not get to this item

6.5 Fabric Login Timeout Value (13-212v0) Peterson (Brocade)

Due to time constraints we did not get to this item

7 Project Schedule

Milestone	Expected Date
Last technical input	December, 2013
T11 Letter Ballot	TBD
Forward to INCITS	TBD

8 Review of Action Items

- 1206-002 Editor to incorporate T11/12-206v1 into FC-LS-3 (**CARRY**)
- 1212-02 Editor to incorporate T11/12-384v2 into FC-LS-3 (**CARRY**)
- 1302-001 Roger Hathorn (IBM) to follow up on units of measure and ranges for values in the SFP Diagnostic Descriptor (13-030v0) (**CARRY**)
- 1302-002 Editor to incorporate T11/13-030v0 slide 11 changes (regarding bit definitions for 32Gb FC) into FC-LS-3 section 4.2.36.4 (**CARRY**)
- 1302-004 Editor to incorporate T11/13-035v1 text changes into FC-LS-3 (**CARRY**)

Three new action items:

- 1306-001 Roger Hathorn (IBM) to provide update to presentation 13-030v1 incorporating group comments
- 1306-002 Roger Hathorn (IBM) to provide update to presentation 13-208v0 incorporating group comments
- 1306-03 Dave Peterson (Brocade) to provide update to presentation 13-028v2 incorporating group discussion and decisions.
- 1306-04 Erik Smith (EMC) to provide update to 12-381v0 (WWPN Persistence via FLOGI) (On previous minutes was carried as 'Old Business' item – moved to Action Items where it really belongs)

9 Meeting Schedule

Request 2.5 hours at the T11 plenary week in Chicago, IL, 5-9 August 2013.

10 Adjournment

*John Crandall (Brocade) moved and Gautam Shiroor (Emulex) seconded to adjourn.
Approved by acclamation.*

The regular meeting was adjourned at 12:10 PM PST on 8 April 2013.

Organization	Representative
BROADCOM	Pat Thaler
BROCADE	David Peterson
CISCO SYSTEMS	Landon Noll
CISCO SYSTEMS, INC.	Claudio DeSanti
EMC	Erik Smith
EMC	Louis Ricci
EMULEX CORPORATION	Gautam Shiroom
IBM	Patty Driever
IBM	Roger Hathorn
ORACLE	Roger Dickerson
SELF	Robert Kembel