

Draft Minutes

T11.3 FC-SW-6 ad hoc work group regular meeting

April 9, 2013 - 9:00 AM to 12:00 PM PST

April 10, 2013 - 1:30 PM to 5:30 PM PST

Albuquerque, NM

The FC-SW-6 Study Group of the Fibre Channel Protocol (T11.3) Task Group held a regular meeting in Albuquerque, NM on April 9 & 10, 2013, hosted by FCIA. Attendance is tabulated at the end of this document.

Minutes were taken by David Peterson (Brocade) (david.peterson@brocade.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 Craig Carlson (QLogic) opened the regular meeting Tuesday April 9, 2013 at 9:05 AM MST. He thanked our host organization, FCIA, and led a round of introductions.

2 Meeting Policy

2.1 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.

No person identified himself as a member of an organization that is not a member of T11.

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 Administrivia

3.1 Approval of Agenda

Lou Ricci (EMC) moved and Roger Hathorn (IBM) seconded to accept T11/13-152v0 as the agenda for this regular meeting. Approved unanimously.

3.2 Review of Minutes

Landon Noll (Cisco) moved and Lou Ricci (EMC) seconded to approve the minutes posted as T11/13-074v0. Approved unanimously.

4 Review of Old Action Items

Editor to review the text for SW_ACC and propose wording - Carry

Dave to create a document that provides the differences and reuse with respect to the currently approved Controlling Switch redundancy protocol. - Carry

Patty to update and post 12-459v0 as modified. - Complete

Editor to incorporate 12-459v0 as modified. - Carry

Editor to incorporate 13-057v0. - Carry

5 Old Business

6 Scheduled Business

6.1 Distribute Fabric WWN

(13-007v2

)May (IBM)

Slides proposing to add the Fabric_Name to DFMD. Option 1 is to add the Fabric_Name as a field to the DFMD request. Option 2 is to add a Fabric_Name descriptor. Another option (3) is to add the Fabric_Name to the Membership Set descriptor. Group agreed to option 3. The proposal will be revised to include option 3.

Henry moved and Claudio seconded to include 13-155v0 into FC-SW-6. Passed unanimously.

6.2 VNRN/VNUN Interlocking (13-129v0))May (IBM)

Slides proposing to clarify the current text for interlocking requirements. The proposed text was modified.

Henry moved and Lou Ricci seconded to approve 13-129v0 as modified for inclusion into FC-SW-6. Passed unanimously.

6.3 FCDF Gathered Configuration Notification Text (13-019v1) May (IBM)

Slides with proposed text for a new DS_ILS to communicate configuration to the Primary Controlling Switch. Feedback was provided and the slides will be revised.

6.4 FCDF Joining Distributed Switch Fabric Serialization(13-134v0) Driever (IBM)/ DeSanti/Cisco

Slides discussing the process of an FCDF joining a Distributed Switch.

6.5 FLOGI processing (13-063v0) DeSanti (Cisco)

Proposed text for processing a Fabric re-Login. Feedback was provided and modifications were made.

Claudio moved and Lou Ricci seconded to approve 13-063v0 as modified for inclusion into FC-SW-6. Motion passed 10-0-3.

6.6 NPIV Switch (13-114v0) Johnson (Brocade)

Slides proposing to standardize the exiting NPIV implementations.

6.7 Link Latency proposals (13-133v0) Johnson (Brocade)

Slides proposing a standardized method to provide link length determination. Group feedback is to look into a FC profile for 1588 versus a new method.

6.8 How Things Work When They Break (13-032v1) Johnson (Brocade)

Slides reviewing the behavior when AISL/ASL failures occur in a functioning Distributed Switch. Agreements were reached and the slides will be updated and posted.

7 Unscheduled Business

7.1 State definitions (13-153v0) DeSanti (Cisco)

Proposed text to clarify the Controlling Switch and FCDF states.

Claudio moved and Dave seconded to approve 13-153v0 as modified into FC-SW-6. Motion passed 10-0-0.

7.2 Response to 13-022 questions Peterson (Brocade)

Dave reviewed responses to the questions contained in 13-022.

8 Project Schedule

Milestone	Expected date
Last Technical Input	April 2013
T11 letter Ballot	TBD
Forward to INCITS	TBD

9 Review of New Action Items

Editor to incorporate 13-155v0 into FC-SW-6.

Editor to incorporate 13-129v1 into FC-SW-6.

Editor to incorporate 13-063v1 into FC-SW-6.

Editor to incorporate 13-153v1 into FC-SW-6.

10 Meeting Schedule

Request 6 hours at the T11 plenary week.

11 Adjournment

Claudio DeSanti (Cisco) moved and Lou Ricci (EMC) seconded to adjourn at 11:40am. Approved unanimously.

12 Attendance

BROADCOM Pat Thaler

BROCADE David Peterson

BROCADE Howard Johnson

BROCADE John Crandall

BROCADE Steven L. Wilson

CISCO J Metz

CISCO SYSTEMS Landon Noll

CISCO SYSTEMS, INC. Claudio DeSanti

EMC Erik Smith

EMC Gary S. Robinson

EMC Louis Ricci

EMULEX CORPORATION Gautam Shiroor

FUJITSU AMERICA, INC. Sandy Wilson

HEWLETT-PACKARD Siamack Ayandeh

HEWLETT-PACKARD COMPANY Barry Maskas

IBM Henry May

IBM Patty Driever

IBM Roger Hathorn

INTEL CORPORATION Prafulla Deuskar

JDSU Jason Rusch

JUNIPER Joseph White

LSI CORP. John Lohmeyer

NETAPP Frederick Knight

ORACLE Michael Roy

ORACLE Roger Dickerson

QLOGIC CORP Alan Spalding

QLOGIC CORP. Craig W. Carlson

SOLUTION TECHNOLOGY David Deming