

# Draft Minutes

## T11.3 Fabric Expansion Study Group Ad Hoc Meeting

### 2 August 2004 - 4 PM to 9 PM

### Keystone CO

An Ad Hoc Meeting of work group Fabric Expansion Study Group of INCITS Technical Committee T11 Task Group T11.3 was held at Keystone CO on 2 August 2004, hosted by McData. Attendance at this Ad Hoc Meeting was 23 people from 16 companies and is tabulated at the end of this document.

Minutes were taken by Bob Nixon (bob.nixon@emulex.com). Please report any corrections by email to the T11.3 reflector at T11\_3@mail.T11.org.

#### 1 Opening remarks and introductions

Dave Peterson

Acting chairperson Dave Peterson opened the meeting Monday, 2 August 2004 at 4:00 PM. He thanked our host company, McData, and led a round of introductions.

##### 1.1 Attendance and Membership

Dave Peterson stated that all persons present are considered members of this meeting and may vote on questions, limited to one vote per company present. 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).

#### 2 Antitrust

Dave Peterson indicated that among the rules and policies under which this working group operates is the INCITS Antitrust Guidelines. Any member of the meeting is responsible for objecting if he believes discussion in the meeting violates those guidelines.

##### 2.1 Patents

Dave Peterson indicated that among the rules and policies under which this working group operates is the ANSI patent policy. He directed persons wishing to make statements or ask questions relevant to this policy to do so at the T11.3 or T11 plenary meeting.

#### 3 Approval of Agenda

04-526v0

All

*It was moved by Dave Peterson and seconded by Bob Nixon to accept 04-526v0 as the agenda for this meeting. Approved unanimously.*

#### 4 Review of Minutes and Action Items

Bob Nixon

##### 4.1 Approval of Minutes of Prior Meeting

04-445v0

*It was moved by Bob Nixon and seconded by Dave Peterson to accept 04-445v0 as the minutes of the Fabric Expansion Study Group ad hoc meeting on 7 June 2004. Approved unanimously.*

## 4.2 Review of Old Action Items

**Bob Nixon**

- 4.3 Bob Nixon to publish 04-073v3, reflecting 04-073v2 and the changes agreed at the Fabric Expansion Study Group meeting 7 June 2004.  
(Opened 7 June 2004) (CLOSED by 04-073v3)
- 4.4 Bob Nixon to email the T11.3 and T11.5 reflectors to solicit vendor preference whether the encapsulation header should be integrated with the frame routing header or not.  
(Opened 7 June 2004) (CLOSED by email 18 June 2004)

## 5 Scheduled Business

### 5.1 Inter-Fabric Routing

**04-520v0**

**Joe Pelissier**

This proposal adds partial specification to the model for interfabric routing presented at a prior meeting.

Concerns raised included:

- a) unconditional 24-byte encapsulation header;
- b) the necessity for the command field (intended to assist in mapping fields within ELS replies);
- c) size of the timestamp field; and
- d) unconditional requirement for the timestamp;

These concerns may be subjects of later proposals, if those who are concerned are sufficiently concerned.

Agreed to propose the fabric routing discovery protocol in an SW-x section separate from the one in which FSPF is specified, and to propose identification codes for fabric routing discovery commands without regard to values of FSPF command codes.

The details of the discovery protocol are among the TBDs, though some of the protocol commands were detailed.

Joe will bring a revision/expansion to the next meeting.

### 5.2 Fabric Routing and Encap Headers

**04-527v0**

**Dave Peterson**

Dave pointed out some variations of this proposal from the prior presentation:

- a) The encapsulation header is not integrated with the Fabric Routing (FR) header;
- b) The layout of the FR header is intended to resolve some part of the need for an encapsulation header.
- c) There is a priority in the FR header;
- d) The ELS command field is present, but intended to be removed;
- e) The FR header is currently three words, though it may be reduced to two words if the ELS command field is removed

## 6 Unscheduled Business

none

**7 Review of Schedule**

**All**

**8 Review of Action Items**

**Bob Nixon**

None

**9 Next Meeting Schedule**

**Dave Peterson**

Request 4 hours at the T11 Plenary Week 4-7 October 2004 in Austin TX.

**10 Adjournment**

*It was moved by Bob Nixon and seconded by Vinod Bhat to adjourn. Approved unanimously.*

The meeting was adjourned at 5:26 PM on 2 August 2004.

**11 Actions on Proposals at This Meeting**

<b>Document Title</b>	<b>Number</b>	<b>Disposition</b>
Inter-Fabric Routing	<u>04-520v0</u>	No further action required
Fabric Routing and Encap Headers	<u>04-527v0</u>	No further action required

## 12 Attendance

<b>Name</b>	<b>Organization Represented</b>
Haluk Aytac	AMCC
Vinod Bhat	HEWLETT PACKARD
Craig Carlson	QLOGIC CORP.
David Douglas	CROSSROADS SYSTEMS INC.
Roy Elsbernd	AGILENT
Jack Harwood	EMC
Ken Hirata	EMULEX
Larry Hofer	MCDATA
Howard Johnson	MCDATA
Scott Kipp	MCDATA
Fabio Maino	CISCO SYSTEMS, INC.
Bob Nixon	EMULEX
Michael O'Donnell	MCDATA
Navot Oren	PACKETLIGHT
Harry V. Paul	CNT CORPORATION
George Penokie	IBM TIVOLI SYSTEMS
David Peterson	COMPUTER NETWORK TECHNOLOGY
Steve Sletten	SUN MICROSYSTEMS
Robert Snively	BROCADE COMMUNICATIONS
Ron Stern	EMC
Horst Truestedt	TRUE FOCUS, INC
Ralph Weber	ENDL TEXAS
Steven L. Wilson	BROCADE COMMUNICATIONS