

FC-BB-2 Ad Hoc Meeting Minutes 04-08-02

1. Introductions

Steve Wilson opened the meeting at 9:10am Pacific Time on Tuesday, April 8th, 2002, in Vancouver, BC.

2. Approval of BB-2 Meeting agenda. (02-048v0)

Previous Ad-hoc minutes were approved (02-215v0).

3. Review of old BB-2 action items:

Action item 34: All to provide input to clause 15 (Protocol Procedures) and 16 (Service Considerations).
Carryover

Action item 36: Bob Snively to define the Connection Usage Code for the short frame. Carryover

Action Item 40: Mike O'Donnell to provide text as to how the fabric should be notified of the failure of a WAN link. Done, presenting today.

Action Item 41: Don Fraser to update the Link Anomalies proposal and post it to T11. Done Presenting today.

Action Item 42: Neil Wanamaker to make proposal to incorporate G.7041 into BB-2. Done, presenting today.

4. Patent Call:

Steve updated the group on the necessity of placing patent calls in the T11.x plenaries instead of this meeting since we develop these standards for ANSI, INCITS and T11.

5. Scheduled New Business:

5.1 IETF WG and FCIP SubWG Status Update (02-212v0)

Murali Rajagopal gave updates on the IETF work. FCIP had 140 comments to FCIP's last call and there are proposed resolutions to all of the comments. This will be an RFC as will FC Frame Encapsulation. FC Frame Encapsulation received 77 Last Call Comments. FCIP Discovery is about at last call. Version 2 is expected soon. Security and the FC Management MIB are ready for last call as well. All of these standards are pretty much synchronized.

iFCP, iSNS and iSNS MIB are under review or basically done.

5.2 EBP ILS (02-088v1 and 02-089v1)

Bret Ketchum presented on EBPs which are very similar to ELPs. Murali discussed whether Bret's document needs to be updated with VB_Access points. The inclusion or exclusion of the link control facility will be investigated by Murali further.

Bret also showed how EBP will fit into the state transition diagrams.

5.3 Link Keep Alive (02-090v2)

Bret Ketchum also presented on the LKA SW_ILS. Bret extended this for E_Ports and discusses how to retry the LKA.

Action Item 43: Ralph Weber to create new field in the special frame to contain the K_A_TOV value.

Action Item 44: Murali Rajagopal and Bret Ketchum to resolve the architecture and terminology of the B_Port and Virtual B_Port model.

5.4 Fabric Notification of WAN Link Failure (02-197v0)

Michael O'Donnell presented on how to report WAN Link Failure for various conditions. The proposal suggests to do this in a less exhaustive manner than an RSCN. Link Incident Records are the method of reporting these failures. The FC-BB-2 FC Entity manages the LIR. RLIR will need to be amended in FC-FS to contain Incident Codes for the various conditions that will be reported. The group approved the inclusion of this into BB-2.

5.5 FCIP Link / TCP Connection Outage Reporting (02-207v0)

Don Fraser reported on how to report link failures. Don wrote a new section for 16.3 on reliability. The group reviewed the text and will include the three clauses into the text.

5.6 FC-BB-2 with GFP incorporated (02-224v0)

Neil Wanamaker presented on the ITU-T G.7041 standard. Neil reviewed the basics of GFP (Generic Framing Protocol). The proposal is basically for a new type of ISL. The group felt that an interim meeting to discuss this further.

Action Item 45: Steve Wilson to arrange an interim meeting on May 8th to discuss GFP.

5.7 FC-BB-2 Document Update (02-030v1)

Murali reviewed the changes that he has made to the latest FC-BB-2 draft. He included several submissions and would like to request for more textual input.

Action Item 46: CNT to submit text to complete the clauses on B_Ports.

Action Item 47: Dave Peterson to submit text to complete the clauses on Discovery.

Action Item 48: Murali Rajagopal to identify security items and connection setup issues that need to be addressed in BB-2 .

Action Item 49: Raj Bagwhat to propose text for section 15.4 on Routing.

Action Item 50: CNT and switch vendors to look at negotiating time out values.

6. Review of BB-2 Action items and Status.

6.1 Status:

June 2002 – Last new technical input

October 2002 – Document ready for T11.3 Letter Ballot

February 2003 – Forward to INCITs for 1st public review

6.2 Action Items

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New Action Items:

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Action Item 44: Murali Rajagopal and Bret Ketchum to resolve the architecture and terminology of the B_Port and Virtual B_Port model.

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8. Meeting Schedule:

8.1 Future Meetings

Requesting 4 hours at next plenary meeting

9. BB-2 WG Meeting adjourned at 11:33 pm.

10. Attendees:

Attendee	Company
Scott Kipp	McDATA
Steve Wilson	Brocade

Michael O'Donnell	McDATA
Vit Novak	Sun
Dave Peterson	Cisco
John Lohmeyer	LSI
Charles Binford	Pirus Networks
Murali Rajagopal	SV Systems
Claudio Desanti	Andiamo
Jeff Warren	Extreme
Ralph Weber	ENDL
Matt Gaffney	StorageTek
Gary Robinson	EMC
Greg Koellner	Inrange
Clement Kent	Karthika
Tuan Hoars	BCM
Neil Wanamaker	Akara
Ed McGlaughlin	Qlogic
Bill Martin	Brocade
Mike Scholten	AMCC
Don Fraser	Compaq
Bill Collette	CNT
Bret Ketchum	CNT
Larry Lamers	Adaptec
Horst Truedstedt	Truefocus
Gary Warden	NGS
John Tyndall	Crossroads

These minutes submitted by Scott Kipp. Any discussion items or important points that have been accidentally omitted or incorrectly reported should be appended to the fc reflector (i.e. used by T11.3 TG for business and technical discussion).