

FC-BB-3 Ad Hoc Study Group Meeting Minutes 08-12-03

1. Introductions

Steve Wilson opened the meeting at 1:08pm Central Time on Tuesday, August 12th, 2003, in Cambridge, MA. Steve thanked Xyratex for sponsoring the meeting.

2. Approval of BB-3 Meeting agenda. (03-326v0)

The agenda was approved without alterations.

2.1 Approval of Meeting Minutes

Ad-hoc minutes were never made for BB-3, but 03-254v0 for BB-2 were approved.

3. Review of BB-3 action items:

2.1 Action Item Review

Action Item #2: Steve Wilson to work on a letter to ITU regarding GFP. Done and covered 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 Need for Interoperable Flow Control Extension over WAN (03-492v0 and an unposted presentation)

Mike Scholten presented a joint presentation with Chris Janz and Graham Copley. The presentation mentions the business requirements for distance extensions in FC SANs. Mike mentioned a government mandate for disaster recover of 150 km. The presentation proposes the desire to transport data at less than gigabits per second. The three basic business requirements may be summed up as 1) long distance connection 2) Sub rate to 10 Gig connections 3) interoperability. Various techniques were discussed that would enable adjustable and scalable data rates.

The proposal ends with a suggestion for a collaboration with T1X1.5 and ITU-T Study Group 15 to develop flow control extensions to the appropriate FC-BB-3 and G.7041 GFP Standards. The difficult part is to get the UNI to guarantee end-to-end flow control.

5.2 Transport Service Provider-Centric FC over SONET (03-486v0)

Chris Janz presented. The presentation is a proposal and feedback is encouraged. The overall picture shows the point to point connectivity of individual FC clients. The SONET interface will be transparent to the Fibre Channel links. The group agreed to not support loop protocols in GFP. This proposal will be character based instead of frame based. He proposes that the transport works below FC-2 only. He proposes three flow control loops from FC to the AANE, between the AANEs and from the AANE to FC. AANE stands for Adaptation/Aggregation Network Element.

The group would like to see further work on this proposal and clarifications on the model.

5.1 Letter to ITU-T (03-492v0 and an unposted presentation)

Steve Wilson presented the letter to Giles Joncour. The letter requests GFP-T and GFP-F be standardized. The letter will be from the working group and Craig Carlson will sign it.

The group agreed to approve the letter and forward it unanimously.

6. Review of BB-3 Action items and Status.

6.1 Status:

8. Meeting Schedule:

8.1 Future Meetings

The next meeting will be the June T11 meeting and we'll request 3 hours for the next meeting.

9. BB-3 SG Meeting adjourned at 2:58 pm.

10. Attendees:

Attendee	Company
Bill Collette	CNT
Alex Goral	SANcastle
Ed Grivna	Cypress

Joe Gruba	Storagetek
Chris Janz	Akara
Robert Kembel	Connectivity Solutions
Bret Ketchum	CNT
Scott Kipp	McDATA
Bill Krieg	Lucent
John Lohmeyer	LSI
Murali Rajagopal	SV Systems
Mike Scholten	AMCC
Tim Sheehan	SAN DIAL
John Tyndall	Crossroads
Ralph Weber	ENDL
Steve Wilson	Brocade
Tim Courtney	Xyratex
Graham Copley	Nortel
Glenn Heinle	Lightsand
Anil Rijhsinghani	McDATA
Stu Soloway	McDATA
Ron Stern	EMC

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).