

FC-BB-2 Ad Hoc Meeting Minutes 0604

1. Introductions

Steve Wilson opened the meeting at 09:05 EDT on Monday, June 6th, 2001, in Minneapolis, MN.

2. Approval of the 04/09/01 BB-2 Meeting agenda: Agenda was approved.

2.1 Previous Ad-hoc minutes were approved.

3. Review of old BB-2 action items:

Action Item #4: Steve Wilson to request management companies to discuss discovery techniques. Carryover.

Action Item #7: Bill Collette to bring in management proposal. Done

Action Item #9: Charles Monia to investigate if iSNS supports Domain Address assignment and extensions to iSNS that don't have an IP presence. Overtaken by events.

Action Item #10: Elizabeth Rodriguez to post the presentation to the T11 website. Done

Action Item #11: Mike O'Donnell to post the presentation to the T11 website. Done

Action Item #12: All to investigate interoperability issues with respect to Norm's proposal. Carryover.

Action Item #13: Murali Rajagopal to draft a letter to Kumar to request a liaison between IETF and T11.
-Done

4. Old Business: None

5. Scheduled New Business:

5.1 Work Items – Mike Ascher presented an unposted document.

CNT wanted to comment on multiple topics that are covered in the presentation.

Action Item #14 – Mike Ascher to post Management presentation on the T11 website.

Action Item #15 – All to investigate new requirements for management and forward them to Steve Wilson.

Action Item #16 – Steve Wilson to look at management and fabric configuration server extensions to support FC-BB-2.

Action Item #17 – Andy Helland to explore latency pinging mechanisms for FC-BB-2.

5.2 Work Items – Murali Rajagopal presented 01-273v0- the first revision of FC-BB-2.

There was considerable discussion about three physical models that will utilize SONET, ATM and Gigabit Ethernet. The group feels that Figure 1 implies point to multipoint, but the group has not received any presentations on this as of yet. The Figure may need to be revised to show only one connection if no one presents on point to multi-point.

Then there was considerable discussion about Mike O'Donnell's model. People requested that the model show different aspects so he drew a new model. The group did not come to a consensus about several terms such as Virtual E_Ports. Murali has the viewgraphs and will incorporate them into the next version of FC-BB-2.

A review of the models developed in FC-BB may be helpful. FC-BB defined FC-BBW devices that had one B_Port and one port that connects to an IP network. FC-BBWs were and are only sold in pairs for point to point communications. The FC-BB solution connects an E_Port from the local switch to the E_Port of the remote switch through the IP network. No other connections are possible without bringing this connection down. The B-Port prevents any ELPs from passing through the IP network. The BBW device encapsulates the FC frame, sends it out on an unnamed port (please let's get a name!) onto the IP network. The frames are routed to the IP address of the other FC-BBW device and then the FC message is extracted and sent out the B_Port to the E_Port on the remote switch.

The new model that we are defining in FC-BB2 is yet unnamed. Names that have been put forth are BBW2 and SW-BB. This device does allow ELPs to flow between the local switch and the remote switch.

One decision the group did make is that a BBW device cannot be successfully connected to a BBW2 device. This could be a valid connection if the BBW2 device can emulate an FC-BBW device.

There are a number of open issues regarding the new model that will be put forth in BB2.

- 1) What is the functionality of a virtual E_Ports? Is this the appropriate name?
- 2) Can ELPs traverse the IP network (unlike the FCBBW device)?
- 3) Does Fabric initialization (Principal Switch Selection) works across the IP network?

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

7.1 Status:

The goal of BB-2 is to have this standard sent out to letter ballot by December 2001. Steve will plan on letting certain issues die from lack of interest if no one supports them. FC-BB will focus on the FCIP work and add other topics of interest when proposals are brought forward. Management and Routing are topics that we would like to see proposals for.

The question was posed that does BB2 need to be backward compatible. The group decided that it should be backward compatible and that BB-2 should supersede BB.

7.2 Action Items

ACTION ITEM #4: Steve Wilson to request management companies to discuss discovery techniques. Carryover.

Action Item #12: All to investigate interoperability issues with respect to Norm's proposal. Carryover.

Action Item #14 – Mike Ascher to post Management presentation on the T11 website.

Action Item #15 – All to investigate new requirements for management and forward them to Steve Wilson.

Action Item #16 – Steve Wilson to look at management and fabric configuration server extensions to support FC-BB-2.

Action Item #17 – Andy Helland to explore latency pinging mechanisms for FC-BB-2.

8. Meeting Schedule:

8.1 Future Meetings: 4 hrs at next T11 meeting.

9. BB-2 WG Meeting adjourned at 4:30 pm CDT.

10. Attendees:

Attendee	Company
Steve Wilson	Brocade
Scott Kipp	McDATA
Neil McLean	Adaptec
Ken Hirata	Vixel
David Peterson	Cisco
Murali Rajagopal	Lightsand Comm.
Michael O'Donnell	McDATA
Claudio Desanti	Andiamo
Bill Martin	Gadzoox
Ralph Weber	ENDL
Art Edmonds	Hitachi
Charles Monia	Nishan
Greg Koellner	Inrange
Mike Ascher	CNT
Bill Collette	CNT
Charles Binford	Pirus
Robert Pederson	General Dynamics
Paul Suhler	Seagate
Ken Moe	Sun
Jim Nelson	Vixel
Bob Kembel	Inrange
Neil Wanamaker	Ankara

Aron Roberts	Boeing
Lamont Grandquist	Boeing
Predrag Spasic	HP
Joe Gruba	Amdahl
Gary Gold	Amdahl
Ken Hirata	Vixel
VP Shenoy	Lightsand
Andy Helland	Lightsand
Louis Odenwald	LSI Logic
Stephen Schaeffer	UNH
Jeff Mendiola	SONY
Norm Harris	Sancastle
Larry Lamers	SAN Valley
Mike Penna	Lightsand
Horst Truestedt	Truefocus

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).