

FC-AV Approved Meeting Minutes  
Huntington Beach, CA  
14 February 2000

1. Attendees:

Rick Allison	Lockheed Martin	rick.h.allison@lmco.com
Robert Cornelius	Ancor	RSCornelius@worldnet.att.net
Neil Edmunds	Xyratex	neil.edmunds@uk.xyratex.com
Jack Keller	Boeing-STL	jack.e.keller@boeing.com
Kumar Malavalli	Brocade	kumar@brocade.com
Douglas Nast	Boeing	douglas.p.nast@boeing.com
John Schroeder	Smiths Industries	schroeder_john@si.com
Fred VanRoessel	Panasonic	VanRoesselF@panasonic.com
Gary Warden	SRB Consulting, Inc.	gwarden@srbconsulting.com
Steve L. Wison	Brocade	swilson@brocade.com

2. The meeting was opened with agenda review. The following agenda was presented:

- Review and approval of draft minutes from 6 December 99 FC-AV Meeting
- Review and approval of comments incorporated from SMPTE ATF Implementation of FC-AV Container
- Overview of Direct Mapping Streaming Protocol proposed by Boeing.
- FCP File Transport and Streaming Protocol Status
- Review of Document Approval Plan
- Review of Action Items

3. Minutes from the 6 December 1999 meeting were approved with the following addition: add John Schroeder-Smiths Industries to the attendee list.

4. This was the final meeting for Bob Cornelius. On behalf of the FC-AV Working Group, Jack Keller expressed appreciation to Bob for all of his contributions and hard work. His departure creates the requirement for a new editor of the FC-AV Standard. This is in addition to the standing opening for a secretary.

5. Changes proposed to the FC-AV Container system were discussed. These have been previously posted on the FC Reflector by Fred Van Roessel and are the result of the SMPTE W25 Committee using the Container in a proposed specification for mapping digital video and audio on ATM. The W25 draft went through the first round of letter ballot and resulted in a few no votes, some of which centered around the aforementioned container changes. These were individually discussed during the meeting and were unanimously adopted.

6. Jack Keller presented a concept under consideration by Boeing St. Louis that internally has been referred to as the Direct Mapping Protocol. Given the unique characteristics of an avionics video network (e.g. for a given network the nodes do not change), it is felt that the FC-AV container using the Simple Parametric Digital Video mapping could be transported with minimum intervention of an upper level protocol. Sources and sinks (network nodes) would directly encode and decode particular fields the FC Frame header (e.g. R\_CTL, Type, Seq\_ID, and Seq\_CNT). There were some issues raised with implementing such an approach including:

- Establishing an alias server to handle multicast
- Connection Management
- Second level management for each application
- Developing an error philosophy

7. Steve Wilson gave status on the protocol development. He reported that he was continuing to work on the real time streaming protocol and that we are still soliciting help for completion of the FCP section for file transfer.
8. The plan for draft completion and submittal was discussed. It was agreed that we would work toward submitting the draft for letter ballot at the June 2000 T11 Plenary Week. In order to make the “two week rule” all changes would have to be incorporated into the final draft by the middle of May.
9. Action Items were assigned as follows:
  - Further define direct mapping protocol in light of issues raised-Keller
  - Continue development of streaming protocol-Wilson
  - Enlist FCP expertise for completion of file transport protocol-Brocade/Boeing
  - Submit letter to SMPTE endorsing use of FC-AV container in SMPTE standards - Malavalli

Respectfully submitted,

Jack Keller – FC-AV Facilitator