

FC-AV Meeting Minutes
Dec. 6, 1999

1. Attendees:

Rick Allison	Lockheed Martin	rick.h.allison@lmco.com
Robert Cornelius	Ancor	RSCornelius@worldnet.att.net
Kent English*	Boeing-STL	kent.l.english@boeing.com
Steve Finch	Texas Instruments	Stephen.Finch@ti.com
Steve Gourley	DY4 Systems	sgourley@dy4.com
Kevin Jacobsen	Boeing-STL	kevin.w.jacobsen@boeing.com
Jack Keller	Boeing-STL	jack.e.keller@boeing.com
Bob Kemble	Connectivity Solutions	Kemble@compuserve.com
Jing Kwok	DY4 Systems	jkwok@dy4.com
Kumar Malavalli	Brocade	kumar@brocade.com
Robert Pedersen	General Dynamics	robert.k.petersen@gd-is.com
Kenneth Samarra	Kairos	Kenneth_Samarra@hotmail.com
John Schroeder	Smiths Industries	schroeder_john@si.com
Wilf Sullivan	DY4 Systems	wsullivan@dy4.com
Fred VanRoessel*	Panasonic	VanRoesselF@panasonic.com
Gary Warden	SRB Consulting, Inc.	gwarden@srbconsulting.com
Steve H. Wilson	Boeing-STL	steven.h.wilson@boeing.com
Steve L. Wison	Brocade	swilson@brocade.com

**Denotes part-time attendees via teleconference.*

2. The meeting was opened with introductions and agenda review. An attempt was made to include the teleconference participants, however, this was largely unsuccessful due to acoustical incompatibilities between the meeting room and the phone system.
3. An appeal for a FC-AV secretary was extended. Steve Wilson – Boeing took notes at this meeting.
4. The following agenda was presented:
 - Approval of meeting minutes from Oct.
 - Simple File Transport (SFT) and Simple Streaming (SS) Protocol proposal – Progress Review
 - Candidate Topics/features to be considered for FC-AV-2
 - Revision of SPDV spec
 - Tutorial on Object Based Storage Device Command Set (Deferred)
 - Decide on when the next telecon(s) will occur
5. Minutes from the 6 October 1999 meeting were approved with the following addition: add middle initial L to Steve Wilson – Brocade.
6. It was agreed that all future group telecons would be treated as formal ad-hoc meetings with the required notification given via the Reflector.
7. Steve L. Wilson (Brocade) presented an update of the Simple File Transfer and Simple Streaming Protocol. He highlighted changes from the last presentation largely the result of inputs received from Howard Green. Steve had several supporting slides on Establishing Stream Operation, Context Exchange Transaction, Drop Stream Operation. No objection/comment from the group. The intent is to stay within the defined SCSI protocol.

Concern was expressed about the lack of Multicast capability in SCSI due to its inherent one-to-one transaction. Steve Wilson – Boeing mentioned 2 other protocols suggested by Kent English – Boeing. Simple Flow Protocol (SFP) and Real Time Streaming Protocol (RTSP). It was mentioned that Washington University in St. Louis has conducted work in this area. There was interest in studying this, but the desire of the group is to produce something in the near term that is well understood and can be easily adopted. These other protocols could be included in FC-AV2. The next step in this development is to fill in details on the SS protocol (i.e. command mapping). Additional SCSI expertise is required.

8. Jim Coomes – Seagate talked about Object Based Storage Device Command Set. Proposal is on the T10 website. Document # T10/99-315R0. Gene Milikan – Seagate is the editor of this new SCSI standard. Intent if OBSD is to access Storage Devices as objects. Jim is interested in any input from FC-AV. Kumar asked Jim to keep us posted on progress at future FC-AV meetings.
9. Jack Keller presented a review of the changes made to the Simple Parametric Digital Video (SPDV) object mapping originally developed by Dan Heim – Boeing. Comments were received and will be dispositioned prior to SPDV integration into the FC-AV draft standard.
10. Candidate Topics for FC-AV2 were compiled. Those noted:
 - Mapping of SS Protocol to other Transports (e.g. VI, QoS class 4)
 - Enhancement of SS Protocol (SFP or RTSP)
 - Multicast Capability
 - Object Based Storage Device Command Set (T10 Proposal)
 - File System Conformance Liaison
11. Activities to be conducted prior to 14 February 2000 meeting
 - Telecons – request telecon Ad Hoc meetings at the T11.3 meeting. First telecon Thursday Dec. 16th 9am Pacific time.
 - Further definition of Streaming Protocol itself
 - SCSI mapping.
 - Coordinating with the Editor
 - SD3 for FC-AV-2

Respectfully submitted,

Jack Keller – FC-AV Facilitator