1. Opening Remarks

The meeting opened at 9:00 am with thanks to WD for hosting the meeting and self-introductions of the attendees.

2. Attendance

Mr. Douglas Wagner FCI	-
	ar Corp.
	onn Electronics
Mr. Mike Fitzpatrick Fujits	
	u Kawasaki
	ral Dynamics
	ett Packard Co.
	ett Packard Co.
•	ni Global Storage Tech.
Mr. James Rockrohr IBM	
	endent
	on Technologies
Dr. Mark Seidel Intel C	
Mr. Pak Seto Intel C	•
Mr. Michael Jenkins LSI C	•
	n Integrated Products
	Sierra
	Sierra
Mr. Gourgen Oganessyan Quella	
	ate Technology
	ate Technology
	croelectonics
	croelectronics, Inc.
•	esys Research, Inc.
Mr. Doug Loree Toshi	
	Electronics
	Electronics
	Electronics
	Electronics
	ern Digital
	ern Digital
Mr. Larry McMillan Weste	ern Digital

34 People Present

3. Review of documents and proposals Carry overs from previous meetings were included in the new business.

4. New Business

4.1 Proposed Cable Tables for SAS-2 (07-471r2) [McSorley]

Edits included adding backplanes and lengthy discussion of the changes proposed. Final determination was that the changes were the right approach to take, but need to verify that the values are correct for backplanes and other implementations. Alvin updated the source document since Greg was not able to be present. Voted to include in SAS-2 as edited (7/1/13).

4.2 Toward SSC Modulation Specs and Link Budget (<u>08-027r3</u>) [Fortin, Gagnon, Hernandez] This proposal is background information for specification changes described in 08-032. It was not discussed since it had been reviewed during the WG conference calls.

4.3 Proposed modifications to SSC profile definition (<u>08-032r3</u>) [Fortin] Minor editorial changes made. Voted to include in SAS-2 as edited (14/0/5).

4.4 SAS-2: Remove restrictions for SSC (<u>08-014r3</u>) [Houlder, Cox] Deleted one sentence which is a repeat of information included in 08-032. Voted to include in SAS-2 as edited (16/0/4).

4.5 SAS-2 Interconnect Signal-to-Noise Ratio Study (<u>07-484r1</u>) [Olawsky] After review of the proposed change, the change was updated to simply add a statement to a note in 07-471 since the crosstalk value was already addressed in that proposal. Voted to include in SAS-2 as edited (16/0/6).

4.6 SAS-2_Transmit_Waveform_Calibration_for_RX_Testing (<u>07-492r1</u>) [Bari and Witt] Background information on test methodology used in 07-486. A lively discussion went on for some time.

4.7 SAS-2 Receiver Device Physical Testing (<u>07-486r2</u>) [Witt & Bari] Description of physical receiver testing. Instead of specifying both the received eye opening and the launch voltage, the proposal was revised to provide a minimum and maximum eye opening while removing the launch voltage. Voted to include in SAS-2 as edited (14/0/4).

4.8 SAS-2 StatEye v5.080111 results (<u>08-073r0</u>) [Elliott] Still some concerns with the StatEye simulations but the modeling keeps improving.

4.9 SAS-2 6Gbps PHY specification (<u>07-339r8</u>) [Cox] Updated figures in Annex B, replaced insertion loss and return loss with S-parameters as applicable, and made othe minor editorial changes. Voted to include in SAS-2 as edited (17/0/2).

4.10 SAS-2 Calibration of Jitter Measurement Devices (<u>07-443r1</u>) [Cox] Some editorial work needs to be done on this proposal when incorporated into Annex B, but no technical changes required. Needed 07-339 to be accepted before this proposal was applicable to SAS-2. Voted to include in SAS-2 (14/0/4).

4.11 SAS-2 Mini SAS 8i connectors and cable assemblies (<u>07-449r0</u>) [Elliott] Not reviewed.

4.12 Considerations for Active Copper Cables for SAS (<u>08-033r0</u>) [Oganessyan] Not reviewed since the material was presented during the STA function on January 14.

4.13 Proposal for SAS 2.x Specification to Enable Support for Active Cables (<u>08-052r0</u>)
 [Oganessyan]
 Reviewed the basic structure. Concerns about backwards compatibility, affects of grounding

changes, and protocol timing issues with longer lengths. More data is needed.

5. Review of Recommendations
The following proposals are recommended for inclusion in SAS-2 (Y/N/A)
07-471r2 as edited (7/1/13)
08-032r3 as edited (14/0/5)
08-014r3 as edited (16/0/4)
07-484r1 as edited (16/0/6)
07-486r2 as edited (14/0/4)

07-339r8 as edited (17/0/2) 07-443r1 (14/0/4)

6. Meeting ScheduleNext call 2/14/08Topics:StatEye results, wide cables, active cables, power management

7. Adjournment The meeting was adjourned at 5:36 pm.