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. Paul von Stamwitz AMCC
Mr. Mickey Felton EMC Corp.
Mr. Douglas Wagner FCI
Mr. Chris Cicchetti Finisar Corp.
Mr. Elwood Parsons Foxconn Electronics
Mr. Mike Fitzpatrick Fujitsu
Mr. Masakazu Kawamoto Fujitsu Kawasaki
Mr. Nathan Hastad General Dynamics
Mr. Rob Elliott Hewlett Packard Co.
Mr. Barry Olawsky Hewlett Packard Co.
Mr. Dan Colegrove Hitachi Global Storage Tech.
Mr. James Rockrohr IBM
Mr. George O. Penokie Independent
Mr. Harvey Newman Infineon Technologies
Dr. Mark Seidel Intel Corp.
Mr. Pak Seto Intel Corp.
Mr. Michael Jenkins LSI Corp.
Mr. Kevin Witt Maxim Integrated Products
Mr. Guillaume Fortin PMC-Sierra
Mr. Tim Symons PMC-Sierra
Mr. Gourgen Oganessyan Quellan
Mr. Alvin Cox Seagate Technology
Mr. Gerald Houlder Seagate Technology
Mr. Benoit Mercier STMicroelectronics
Mr. Stephen Finch STMicroelectronics, Inc.
Mr. Bent Hessen-Schmidt Synthesys Research, Inc.
Mr. Doug Loree Toshiba
Mr. Michael Fogg Tyco Electronics
Ms. Ashlie Fan TycoElectronics
Mr. Dan Gorenc TycoElectronics
Mr. Scott Shuey TycoElectronics
Mr. Ramya Dissanayake Western Digital
Mr. Mark Evans Western Digital
Mr. Larry McMillan Western 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 (08-027r3) [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 (08-032r3) [Fortin]
Minor editorial changes made. Voted to include in SAS-2 as edited (14/0/5).

4.4 SAS-2: Remove restrictions for SSC (08-014r3) [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 (07-484r1) [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 (07-492r1) [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 (07-486r2) [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 (08-073r0) [Elliott]
Still some concerns with the StatEye simulations but the modeling keeps improving.

4.9 SAS-2 6Gbps PHY specification (07-339r8) [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 (07-443r1) [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 (07-449r0) [Elliott]
Not reviewed.

4.12 Considerations for Active Copper Cables for SAS (08-033r0) [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 (08-052r0)
(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)
6. Meeting Schedule
Next call 2/14/08
Topics:
StatEye results, wide cables, active cables, power management

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