The meeting was called to order at 9:00 am, November 9, 2004

Attendance:

Mr. Tim Symons  Adaptec, Inc.
Ms. Pat Thaler   Agilent Technologies
Mr. Paul von Stamwitz  AMCC
Mr. Gunter Knestele  Certance
Mr. James A. Lott, Jr.  Dallas Semiconductor
Mr. Kevin Marks  Dell, Inc.
Mr. Elwood Parsons  Foxconn Electronics
Mr. Mike Fitzpatrick  Fujitsu
Mr. Rob Elliott    Hewlett Packard Co.
Mr. Bill Ham       Hewlett Packard Co.
Mr. Chris Martin   Hewlett Packard Co.
Mr. Barry Olawsky  Hewlett Packard Co.
Mr. Zane Daggett  Hitachi Cable Manchester
Mr. George O. Penokie  IBM / Tivoli Systems
Mr. Bill Bissonette  Intel Corporation
Mr. Dick Uber      Maxtor Corp.
Mr. Mark Evans     Maxtor Corp.
Mr. Jay Neer       Molex
Mr. Bill Lye       PMC-Sierra
Mr. Alvin Cox      Seagate Technology
Mr. Vit Novak      Sun Microsystems, Inc.
Mr. Robert Kando   Texas Instruments
Ms. Ashley Fan     TycoElectronics
Mr. Dan Gorenc     TycoElectronics
Mr. Don Schulte    Vitesse
Mr. David Springberg  Vitesse Semiconductor
Bill Gintz       Zues

27 People Present

Agenda:

04-222 SAS-1.1 More phy test patterns      Rob Elliott
Removed pseudo-random generated pattern option. Changed repeating data option from one dword to two dwords.
Unanimous recommendation to include in SAS 1.1 as edited.

04-331 SAS 1.1 PHY Definitions and Acronyms update    Bill Ham
Reviewed all comments made by Rob Elliott and updated proposal as required.
Unanimous recommendation to include in SAS 1.1 as edited.

04-332 SAS 1.1 PHY jitter MJSQ modifications   Bill Ham
Edited to reduce the proposal to only address the jitter topics in the PHY section. Other comments are being worked within other proposals.
Unanimous recommendation to include in SAS 1.1 as edited.

04-370 SAS-1.1 Merge IT and IR with XT and XR   Rob Elliott
SATA references are included in the IR/CR table. Discussion about value of OOB amplitude not necessarily related to the minimum eye opening because the OOB is envelope detection.

04-337 SAS-1.1 TCTF Editorial Changes Barry Olawsky
Reviewed updates. Trying to decide how to better-describe the requirements for the physical TCTF. Considering alternatives.

04-375 SAS 1.1 Phy hot plug and transients on SAS and SAS/SATA environments Dick Uber
Reviewed this information document to understand what transient specifications are targeting. Additional work required before a proposal to update the specification can be made.

04-378 SAS-1.1 Clarification of SATA Signaling Level Specification Barry Olawsky
Data reviewed concerning receiver sensitivity requirements for SATA devices in SAS environments. Proposal suggests a note be added in conjunction with proposal 04-370 to warn of possible amplitude loss with SATA devices due to jitter, transmit voltage, and rise time.

New items:

The SAS PHY working group will conduct weekly teleconferences beginning 11/18, except during holiday weeks.
Thursday, 10 am CST.
Same webex and call number for all calls:

Webex:
seagate.webex.com (no www)
Meeting number: 825549498
Meeting password: section5

Toll Free Dial in Number: (866) 279-4742
International Access/Caller Paid Dial In Number: (309) 229-0118
PARTICIPANT CODE: 3243413

Recommendations to Plenary:

The following proposals were unanimously recommended to be included in SAS 1.1 as edited.
04-222 SAS-1.1 More phy test patterns
04-331 SAS 1.1 PHY Definitions and Acronyms update
04-332 SAS 1.1 PHY jitter MJSQ modifications

The meeting adjourned at 8:15 pm November 9, 2004