

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.

Thursdays, 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