

Attendance:

Mr. Ken Paist	Agere Systems
Mr. Bernhard Laschinsky	Agere Systems
Mr. Paul von Stamwitz	AMCC
Ms. Monica Li	Finisar
Mr. Barry Olawsky	Hewlett Packard Co.
Mr. Rob Elliott	Hewlett Packard Co.
Mr. Dan Colegrove	HGST
Mr. Yuriy Greshishchev	Independent
Mr. Harvey Newman	Infineon Technology
Dr. Mark Seidel	Intel Corp.
Mr. Schelto van Doorn	Intel Corp.
Mr. Praveen Viraraghavan	LSI Logic Corp.
Mr. Brian Day	LSI Logic Corp.
Mr. Mike Jenkins	LSI Logic Corp.
Mr. John Lohmeyer	LSI Logic Corp.
Mr. Wei Zhou	Marvell Semiconductor, Inc.
Mr. Jim Walch	Marvell Semiconductor, Inc.
Mr. Galen Fromm	Molex
Mr. Amr Wassal	PMC-Sierra
Mr. Robert Watson	PMC-Sierra
Mr. Tim Symons	PMC-Sierra
Mr. Alvin Cox	Seagate Technology
Ms. Judy Westby	Seagate Technology
Mr. Stephen Finch	STMicroelectronics
Mr. Benoit Mercier	STMicroelectronics
Mr. Kevin Witt	Vitesse Semiconductor
Rick Hernandez	

27 in attendance

Agenda:

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**Review of SNW windows and final speed negotiation window details.**

- TRAINDONE and training completion rules
- State machines review
- Other SNW4 issues

SAS-2 Modifications to the SAS Speed Negotiation [Amr Wassal]

<http://www.t10.org/ftp/t10/document.06/06-324r1.pdf>

Reference:

SAS-2 Start-up training sequence [Newman]

<http://www.t10.org/ftp/t10/document.05/05-397r6.pdf>

Final SNW window:

Start of window:  
Standard RCDT before training starts.

During training:  
Reset scrambler?  
A seed value at the beginning may help with outside testing, but the scrambler should not be reset with every frame so that a maximum variety of data patterns will be presented to the receiver device.

Change to 6 primitives of Train and Traindone.  
Use 58 dwords for scrambled data payload (makes a total count of 64).

Completion of window:  
How is the final speed negotiation window completed?

When ready to send Traindone, send SLIR to the next layer up.  
Send Traindone, then PHY Ready.

We discussed the training completion and what determines a successful TRAINDONE primitive detection and the state machine diagrams. Several items were mentioned. Amr will update 06-324 and we will discuss it on the next call.

Next conference call September 7, 2006

Agenda:  
06-324

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Webex information:  
<https://seagate.webex.com/seagate>  
Topic: SAS-2 PHY WG  
Date: Thursday, Sept 7, 2006  
Time: 10:00 am, Central Daylight Time (GMT -05:00, Chicago)  
Meeting number: 826 515 680  
Meeting password: 6gbpsSAS