

SAS PHY teleconference 8/26 results:

The meeting was called to order at 2:02 pm, Monday, August 26, 2002

The following were in attendance for all or part of the meeting:

Richard McMillan	Adaptec
Bernhard Laschinsky	Agere Systems
Ken Paist	Agere Systems
John Loffink	Dell
Barry Olawsky	HP
George Penokie	IBM
Mark Seidel	Intel
Mike Jenkins	LSI Logic
Russ Brown	Maxtor
Alvin Cox	Seagate
Allen Kramer	Seagate

11 people present.

1. OOB (RCD) Alvin to work offline with Tom and communicate results to group.

Issues resolved. Specification change requested by PHY group is okay as stated.

2. LED driver

The following specification is workable per Barry Olawsky. Requires selection of LED's and 5% power supply rating to meet 2x factor goal. Barry to supply additional information regarding LED's. 15mA driver is a reasonable driver capability for ASIC's. 20mA favors external component implementation.

Open drain/collector:

Minimum sink current	@ Max. voltage	Max. applied voltage
15mA	0.2V	3.6V

3. Test Patterns

Bernhard Laschinsky to determine test pattern set for CRPAT and CJTPAT per FCAL specifications. Since FCAL always starts with negative running disparity, the CJTPAT will need compensation so that if the pattern starts with positive running disparity, that the intent of the pattern on the wire will be achieved. CRPAT needs to be checked for the same issue.

Normative to describe pattern on wire, informative to supply coding algorithm and example data pattern to achieve test requirements.

Notify Jim Coomes and Rob Elliott regarding inconsistencies in the use of upper and lower case letters in tables and text regarding 8/10 encoding and tables.

4. Test loads

Jenkins and Cox to review current PHY section test references to compliant loads. Update with figures supplied by Kramer and post for review prior to T10 meeting.

5. Common mode shift oxide stress

Russ Brown to make common mode table to specify missing pieces of specification. Includes 12nF maximum for AC coupling cap. Jenkins and Seidel to look at maximum common mode response value for far end. This should allow PHY design latitude and take care of common mode stress concerns.

6. New business

None.

7. Schedule

September 2002 T10 Meeting face-to-face
Monday 9/9 1pm - 5 pm
Tuesday 9/10 9am - 5 pm

No calls prior to this meeting.

The meeting was adjourned at 3:55 pm CDT, Monday, August 26, 2002