

10GBASE-T Ad-hoc meeting 12/10/2009 Hosted by Solarflare, Irvine, CA.

Chair: Gavin Parnaby

Recording Secretary: Brett McClellan

Attendees:

Name	Employer	Affiliation
Matt Brown	AMCC	AMCC
Bill Woodruff	Aquantia	Aquantia
Mike Grimwood	Broadcom	Broadcom
Tom Souvignier	Broadcom	Broadcom
Jim Graba	Broadcom	Broadcom
Gavin Parnaby	Solarflare	Solarflare
Brett McClellan	Solarflare	Solarflare
Dimitry Taich	Teranetics	Teranetics
Sanjay Kasturia	Teranetics	Teranetics

Meeting started at approximately 10AM PST

- Call for patents read by Gavin, no responses
- Gavin presented the updated 10GBASE-T fast retrain proposal.
- 1. Dmitry asked why LLDP hooks are necessary for enabling/disabling fast retrain. Gavin noted it was requested by Hugh Barrass at the November meeting. No one present had arguments why it was necessary. It was noted that either side could unilaterally stop supporting fast retrain, forcing a new auto-negotiation where fast retrain was not advertised. An action item was taken to ask Hugh if LLDP is necessary in this proposal, otherwise it may be dropped. This will be discussed next week.
- 2. Mike requested that wording be change so that fast retrain is an option for PHYs supporting EEE rather than a requirement. Sanjay, Bill and Gavin argued in favor of making it a requirement, reasons given were to reduce the variation of PHY modes and to ensure EEE PHYs were capable of quick link recovery. The optional case was accepted by the group in order to have consensus.
- 3. Mike asked that the refresh timer requirement be split such that devices not supporting fast retrain will have 8ms rather than 330us. The group accepted this proposal.
- 4. Matt asked that the text for the counters be clarified. The group accepted this proposal.
- 5. Dmitri asked that there be a time limit of 9 LDPC frames after receiving a fast retrain request for a PHY to respond by transmitting PAM2. The group accepted this proposal.
- 6. There were no objections to the remainder of the fast retrain proposal.
- Gavin described the next steps for the ad hoc. Gavin will generate draft text to be reviewed along with draft 2.2. There will be an editor's note in the draft pointing to the ad hoc proposed text.

- There were no objections for Gavin to generate the draft text. He will schedule a call next week to review the text with the ad hoc group. This text will be forwarded to the editor (Sanjay) for inclusion in the draft 2.2 comment round.

Meeting was adjourned at approximately 12 PM PST.