

10GBASE-T Ad-hoc Conference Call December 3, 2009

Chair: Gavin Parnaby

Recording secretary: Brett McClellan

Attendees:

Name	Employer	Affiliation
Matt Brown	AMCC	AMCC
Dariusz Dabiri	AMCC	AMCC
Bill Woodruff	Aquantia	Aquantia
Mike Grimwood	Broadcom	Broadcom
Bill Bliss	Broadcom	Broadcom
Tom Souvignier	Broadcom	Broadcom
Pat Thaler	Broadcom	Broadcom
Scott Kip	Brocade	Brocade
Dan Dove	HP	HP
Mike Bennett	LBNL	LBNL
Gavin Parnaby	Solarflare	Solarflare
George Zimmerman	Solarflare	Solarflare
Brett McClellan	Solarflare	Solarflare
Dimitry Taich	Teranetics	Teranetics
Jose Tellado	Teranetics	Teranetics
Jennifer Wu	Teranetics	Teranetics
Sanjay Kasturia	Teranetics	Teranetics

Meeting began at approximately 10:07 PST

Gavin asked people on the call to identify themselves

- Call for patents read by Gavin, no responses

- Mike Grimwood presented his slides

1. There is a technical issue in the current draft that the MAC can send LPI to the 10GBASE-T PHY while the PHY is in the PCS_Test state and proposes changes to the PCS TX state machine to prevent LPI from being sent across the link. There was consensus that this was an issue. Brett pointed out a related technical issue. While Clause 78 specifies that the MAC not send LPI for 1 second after Link_Status is set high, Link_Status remains high while the 10GBASE-T retrains (normal) or fast retrains. It was proposed the MAC hold off LPI for some time (10ms suggested) following any fault condition.

Mike suggested both approaches be used and there were no objections.

The group will discuss more next week.

2. Mike questioned the 30ms fast retrain budget. Gavin pointed out that Hugh Barrass had stated the target should be less than 50ms. Matt asked if other system vendors had input on the time budget. Dan said 20ms or less would be safe but will check on 30ms for next week.

- Gavin presented the fast retrain proposal from the November plenary and asked if there were any questions. Mike noted there is an issue on slides 5 & 6 using PCS_Status, Gavin agreed to come back next week with a proposed solution.

There were no other questions or comments.

- Gavin reviewed the details for the face to face meeting on 12/10.

Presentations are due by 12/7. Around 10 people plan to attend.

- Meeting was adjourned at 10:47 AM PST