

Electrical Interface Ad-hoc Report

Joel Goergen – Cisco Systems / Vasu Parthasarathy – Broadcom
Version r1
IEEE802.3bs 400GE
March 2015 – Berlin

Opening

The stated charter is: Work on technical proposals related to the 400GbE Electrical Interfaces.

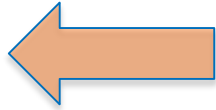
All related work and presentations can be found here:

<http://www.ieee802.org/3/bs/public/adhoc/elect/index.shtml>

Where is IEEE802.3bs 400GE in the Modulation Wars?

The following simplified process steps are used to build consensus:

- Defining / Discussing Reach
- System Architecture
- **Channel Loss**
- **Modulation**
- Equalization
- Error Correction
- Power



We Are About Here

Following Presentations Were Given

ADHOC Agenda	Joel Goergen – Cisco / Vasu Parthasarathy – Broadcom	goergen_01_0215_elect
Big Ticket Items	January 2015 Interim	big_ticket_items_3bs_01_0115 (pages 9-12)
PAM4 Public Demo discussion	Vasu Parthasarathy – Broadcom	parthasarathy_01_0215_elect
PAM2 / NRZ Public Demo discussion	Jeff Twombly	twombly_01_0215_elect

Next Steps to May 2015 IEEE Meeting

- Use the C2C and C2M channels submitted to the P802.3bs and provide a modulation scheme.
- Reach consensus on C2C and C2M coding and signaling methods for the 8 lane interface.
- Request for presentations to complete the tables and charts for the 16 lane interface.