

Electrical Interface Ad-hoc Report

IEEE P802.3bs 400Gb/s Ethernet Task Force

January 2016, Atlanta, GA

Electrical Ad Hoc Report

- The charter of the Electrical Interface Ad hoc is:
 - Address all issues in relation to the electrical interfaces to ensure progress towards a technically complete draft.
 - *Identify issues or omissions in the adopted Baselines*
 - *Find consensus now, rather than in comment resolution.*

- 5 Ad-hoc Meetings held since the November Plenary
 - 11 technical presentations
 - All presentations & meeting minutes are available on the ad hoc webpage :
 - <http://www.ieee802.org/3/bs/public/adhoc/elect/index.shtml>

Electrical Interface Ad Hoc Presentations 30th Nov

Ad-hoc Opening/Agenda/Closing	Andre Szczepanek	szczepanek_01_113015_elect
Channel Operating Margin (COM) proposal for CDAUI-8 C2C	Raj Hegde Magesh Valliappan	hegde_01_113015_elect.pdf

CRU Bandwidth Straw Poll Results

I support:

- | | | |
|----|---|---|
| a) | Keeping CRU Corner Frequency at 10MHz | 1 |
| b) | Changing CRU Corner Frequency to 4MHz | 6 |
| c) | Need more information in order to make a decision | 6 |

Electrical Interface Ad Hoc Presentations 7th Dec

Ad-hoc Opening/Agenda	Andre Szczepanek	szczepanek_01_113015_elect
Improvements to CDAUI-8 C2C Tx linearity specifications	Magesh Valliappan	valliappan_01_120715_elect.pdf
Channel Operating Margin (COM) proposal for CDAUI-8 C2C (Updated)	Raj Hegde	hegde_01_120715_elect.pdf
CRU B/W straw poll results and discussion	Andre Szczepanek	szczepanek_01_113015_elect

Electrical Interface Ad Hoc Presentations 14th Dec

Ad-hoc Opening/Agenda	Andre Szczepanek	szczepanek_01_121415_elect
CRU B/W straw poll results and Editors Observations	Andre Szczepanek	szczepanek_01_121415_elect
Open items for the Ad Hoc	Andre Szczepanek	szczepanek_01_121415_elect

I support:

- a) Keeping CRU Corner Frequency at 10MHz 1
- b) Changing CRU Corner Frequency to 4MHz 6
- c) Need more information in order to make a decision 6

Electrical Interface Ad Hoc Presentations 21st Dec

Ad-hoc Opening/Agenda	Andre Szczepanek	szczepanek_01_122115_elect
CDAUI-8 Chip-to-Module (C2M): Reference RX Proposal	Ben Smith Stephane Dallaire	smith_01_122115_elect
CDAUI-8 Module-to-Host transmitter specification proposal	Raj Hegde Magesh Valliappan	hegde_01_122115_elect.pdf
Improvements to CDAUI8 C2C TX specifications	Magesh Valliappan	valliappan_01_122115_elect.pdf
Calculating ES1 and ES2 using Least Squares Algorithm	Magesh Valliappan	valliappan_02_122115_elect.pdf

Electrical Interface Ad Hoc Presentations 11th Jan

Ad-hoc Opening/Agenda	Andre Szczepanek	szczepanek_01_011116_elect
COM refinement for Annex 120D CDAUI (C2) suggested in D1.1 comments 29-31, 82, and 122	Richard Mellitz	mellitz_01_011116_elect.pdf
SNDR and COM related proposal for CDAUI-8	Raj Hegde Magesh Valliappan	hegde_01_011116_elect.pdf
Considerations CRU BW 400GbE PMDs	Ali Ghiasi	ghiasi_01_011116_elect.pdf

It was agreed that Richard Melitz's updated COM code for CDAUI-8 C2C would be posted to the Ad Hoc meeting directory for the 11th Jan 2016 meeting. The zip file containing the updated COM code is available at this location:

http://www.ieee802.org/3/bs/public/adhoc/elect/11Jan_16/mellitz_02_011116_elect.zip