IEEE P802.3ck Ad Hoc meeting –

August 14, 2019

Prepared by Kent Lusted and Shawn Nicholl

Proposed Agenda:

- Approval of the Agenda
- Approve 10 July 2019 ad hoc minutes
- IEEE Patent Policy reminder:
  - http://www.ieee802.org/3/patent.html
- IEEE Participation Requirements reminder
- Logistics for September interim meeting
- .3ck Ad Hoc –
  - "100G Host to Module Short Channels", Jane Lim
  - "C2M Simulation with Short Host Traces", Phil Sun

Presentations posted at: http://www.ieee802.org/3/ck/public/adhoc/index.html

Meeting began at ~7:00 a.m. Pacific by Kent Lusted.

Meeting began with the agenda presentation:
http://www.ieee802.org/3/ck/public/adhoc/aug14_19/agenda_081419_3ck_adhoc.pdf

The ad hoc chair reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes. Reminded participants to mute lines when not speaking and reviewed the steps to unmute.

Reminded participants of the IEEE Participation Requirements and showed the slide with the Participation requirements. He asked if anyone was unfamiliar with the IEEE Participation Requirements. No one responded.

Presented the proposed agenda. No one responded. The agenda was approved by the ad hoc.

The ad hoc chair noted that the July 10, 2019 minutes were posted. He asked if there were corrections or modifications. No one responded. Minutes were approved by the Task Force.

Reminded participants of the IEEE patent policy. He asked if anyone was unfamiliar with the IEEE patent policy. No one responded.

Agenda Items

P802.3ck Update, Kent Lusted

See: http://www.ieee802.org/3/ck/public/adhoc/aug14_19/agenda_081419_3ck_adhoc.pdf

- Task Force will meet week of September 9, 2019 in Indianapolis, IN, USA. P802.3ck is meeting Wednesday through Friday.
- Presentation requests are due Friday, August 30th AOE
- Presentation submissions are due by 5:00pm PDT Tuesday, Sept 3rd.
- The adhoc chair reminded participants of the continued focus on baseline adoption

Presentation #1:

"100G Host to Module Short Channels", Jane Lim

See: http://www.ieee802.org/3/ck/public/adhoc/aug14_19/lim_3ck_adhoc_01_073119.pdf

- Presenter indicated that the intent of the presentation was to share the case of a real system for whole link analysis. There was an interest from the group to see analysis that includes HCB.
- Discussed using the contributions for copper cable analysis. There were concerns because the models use module PCB not HCB.
- Presenter clarified that the test point is at the end of the Module PCB (which is attached to the DD)
- There was a request to add the test points for the NEXT and the COM sheet details.
- The channels are posted in the "Chip-to-Module Channels" section of the "IEEE P802.3ck Task Force - Tools and Channels" website under "31-July-2019":
    - http://www.ieee802.org/3/ck/public/tools/c2m/lim_3ck_adhoc_02_073119.zip

Presentation #2:

"C2M Simulation with Short Host Traces", Phil Sun

See: http://www.ieee802.org/3/ck/public/adhoc/aug14_19/sun_3ck_adhoc_01_081419.pdf

- There was a request to see results with the module side package termination values under discussion (different from host side)
- There was a request to include the parameters used for the packages
- Presenter noted that the resolution of package lengths (slide 5) is 0.5mm.

The ad hoc meeting ended at ~8:10am Pacific.

List of attendees (captured from Webex tool)

Name	Company	Affiliation
Adee Ran	Intel	Intel
Alan Kinningham (I-PEX)	I-PEX	I-PEX
Alex Haser (Molex)	Molex	Molex
Ali G	Ghiasi Quantum	Ghiasi Quantum
Arthur Marris (Cadence)	Cadence	Cadence
Athos Kasapi	Cadence	Cadence
bill kirkland	Semtech	Semtech
Bo	Inphi	Inphi
Brandon Gore	Samtec	Samtec
Burrell	Samtec	Samtec
Champion Kao	Intel	Intel
Clint Walker	Alphawave	Alphawave
david malicoat	Senko	Senko
David Rennie	Synopsys	Synopsys
dean	Marvell	Marvell
Ed Frlan (Semtech)	Semtech	Semtech
Erdem Matoglu - Amphenol	Amphenol	Amphenol
Frank	Inphi	Inphi
Gary Nicholl	Cisco	Cisco
geoff zhang	Xilinx	Xilinx

Howard Heck	Intel	Intel
Inho Kim	Marvell	Marvell
Jane Lim	Cisco	Cisco
Jeff Twombly	Credo	Credo
Jeffery Maki	Juniper	Juniper
Jeremy Stephens	Intel	Intel
Juan Martinez	IBM	IBM
Kent Lusted	Intel	Intel
Ken Jackson	SEI	SEI
Liav Ben-Artsi	Marvell	Marvell
Mark Kimber	Semtech	Semtech
Mau-Lin Wu	Mediatek	Mediatek
Mike Dudek	Marvell	Marvell
Nathan Tracy	TE	TE
Nish. Takeshi	Yeu	Yeu
Phil Sun	Credo	Credo
Piers Dawe	Mellanox	Mellanox
pirooz tooyserkani	Cisco	Cisco
Ray Nering	Cisco	Cisco
Rich Mellitz	Samtec	Samtec
Rick Rabinovich	Keysight	Keysight
Rita Horner	Synopsys	Synopsys
Sam Kocsis (Amphenol)	Amphenol	Amphenol

Scott Sommers	Molex	Molex
Shawn Nicholl (Xilinx)	Xilinx	Xilinx
Steve Sekel (Keysight)	Keysight	Keysight
Tom Palkert	Molex/Macom	Molex/Macom
Wendy Wu	Cadence	Cadence
Will	Wilder	Wilder
Xiang	Huawei	Huawei
Yan Zhuang	Huawei	Huawei
Yasuo Hidaka	Credo	Credo
Zhiwei Yang	ZTE	ZTE