

Minutes NGEABT Architecture AdHoc meeting 24 February 2015

Prepared by Peter Jones

Proposed Agenda:

1. Agenda/Admin - Peter Jones
2. 802.3 NGE BASE-T SG Potential Timeline and Challenges - Yong Kim
3. 2.5G / 5G Technical Feasibility - Tom Souvignier & German Feyh

Presentations posted at:

<http://grouper.ieee.org/groups/802/3/NGEBASET/public/archadhoc/index.html>

Agenda/Admin - Peter Jones:

Meeting began at 9:05am PST

1. Reviewed the Attendance information related to the ad hoc.
2. Reminded people to review the IEEE patent policy, no one responded.
3. Reminded participants to indicate full names and employer/affiliation correctly for the meeting minutes.
4. Presented the proposed agenda. No objections.

Presentations/Discussion

802.3 NGE BASE-T SG Potential Timeline and Challenges - Yong Kim

- Discussion about what can be done in SG vs TF.
- Regardless, to make good progress, "Contribute early, Contribute often".

2.5G / 5G Technical Feasibility - Tom Souvignier & German Feyh

- Aggressor rates – 5G/2.5G/1G as starting point. More testing to be done.
- Lengths – physical cabling, not adjusted for insertion loss.
- Presentation proposes using 10GBASE-T coding/modulation, frequency scaled, with increased transmitter power..."
- Presenter stated that cable to cable cross talk is dominant source of noise, lead to lively discussion on call.
- Question raised about GigaBase cable shown in slide 10, Presenter says this is copy/paste error, test was done with normal CAT5-E, updated presentation provided after meeting.

Discussion:

- Expect to see more material, will set up another Arch AdHoc for next week.

Meeting closed 10:01 PST

Attendees (Webex)

Name	Affiliation	Attended 2/24
Amrik Bains	Cisco	y
Anna An	Foxconn	n
Arthur Lee	Mediatek	n
Bob Wagner	Panduit	y
Brett McClellan	Marvell	y
Brian Bucmeier	Bel Fuse	y
Brian Jaroszewski	Vitesse	n
Bryan Moffitt	Commscope	n
Carrie Higbi	Siemom	n
Chris Diminico	MC Communications	y
Clark Carty	Cisco	y
Dave Jeskey	Sentinel Connector	n
David Chalupsky	Intel	y
David Chen	Nokia	y
David Estes	Spirent	n
David Law	HP	n
David Tremblay	HP	n
Derek Cassidy	BT	n
Dieter Schicketanz	Leoni Kerpen/ University of Reutlingen	y
Duane Remein	Huawei	n
Ed Gastle	JDSU	n
Evan Lau	??	y
George Zimmerman	CME - Commscope & Aquantia	n
German Feyh	Broadcom	y
Greg McSorley	Amphenol	n
Hans Lackner	QoSCom GmbH	n
Hossein Sedarat	Aquantia	y
Howard Frazier	Broadcom	y
Jacky Chang	HP	y
Jerome-Yu	???	y
Jim Graba	Broadcom	y
John D'Ambrosia	Dell	n
Kaku Shinkyō	Allied Telesis	n
Kamal Dalmia	Aquantia	y
Lars Lindskov Pedersen	Delta	n
Masood Shariff	Commscope	y

Matt Brown	APM	n
Mike Good	Berk-Tek, LLC	y
Neven Pischl	Broadcom	n
Paul Hathaway	??	n
Paul Langner	Aquantia	n
Paul Mooney	Sprirent	n
Paul VANDERLAAN	Berk-Tek	y
Pete Cibula	Intel	y
Peter Wu	Marvell	y
Peter Jones	Cisco	y
Ramin Farjad	Aquantia	y
Ramin Farjad	Aquantia	y
Rick Rabinovich	Alcatel-Lucent	y
Ron Tellas	Panduit	n
Scott Kipp	Brocade	n
Steve Sedio	Foxconn	y
Theodore Brillhart	Fluke	y
Thuyen Dinh	Pulse	n
Todd Herman	Commscope	n
Tom Souvignier	Broadcom	y
Victor Renteria	Bel Fuse	y
Vineet Salunke	Cisco	n
Yong Kim	Broadcom	y