

Unapproved Minutes
IEEE 802.3 New Ethernet Applications Ad Hoc
Interim Meeting
Mar 14, 2017
Vancouver, BC, Canada

Prepared by John D'Ambrosia

Meeting started Tuesday Mar 14 at approximately 7:10pm

Presentation #1 – Agenda and General Information

Presented by – John D'Ambrosia

URL: http://www.ieee802.org/3/ad_hoc/ngrates/public/17_03/agenda_nea_01b_0317.pdf

D'Ambrosia went over the agenda for the meeting –

- Consider ITU-T Focus Group IMT-2020 to IEEE 802.3 on non-radio aspects of 5G (http://www.ieee802.org/3/minutes/mar17/incoming/ITU-T_FG_2020_LS-04_to_IEEE_802d3.pdf)
- Session #1 –Next Gen MMF PMD
- Session #2 –100Gb/s Electrical Signaling, including discussion of higher Ethernet rates (800GbE)

Note-discussion on “Beyond 10km” is not occurring at this meeting, as new technical data from OFC is anticipated.

D'Ambrosia reviewed

- Ad Hoc Information
- Participation in the IEEE 802 Meetings
- Ground Rules
- Important Bylaws, Rules, References
- Patent policy.
- Overview of NEA Ad hoc
- Rules Change- Subclause5.2 'Project authorization' of the IEEE-SA Standards Board Operations Manual

The liaison (http://www.ieee802.org/3/minutes/mar17/incoming/ITU-T_FG_2020_LS-04_to_IEEE_802d3.pdf) was considered. It was decided that no response was required at this time.

Presentation #2 – Next-gen 400 and 200 Gb/s PHYs over Fewer MMF Pairs Call For Interest Consensus Presentation

Presented by – Robert Lingle

URL: http://www.ieee802.org/3/ad_hoc/ngrates/public/17_03/lingle_nea_01_0317.pdf

General discussion regarding presentation.

Presentation #3 – “100Gb/s Electrical Signaling”

Presented by – John D’Ambrosia

URL: http://www.ieee802.org/3/ad_hoc/ngrates/public/17_03/goergen_nea_01a_0317.pdf

General discussion regarding presentation. To plan for the upcoming NEA meetings, the chair asked the following straw polls

Straw Poll #1

- Is there interest in doing 800 Gigabit Ethernet at this time?
- Results
 - Yes - 1
 - No – 15
 - Maybe – 25

Straw Poll #2

- Is there interest in developing AUI’s based on 100 Gb/s electrical signaling per lane?
- Results
 - Yes – 43
 - No – 2
 - Maybe – 15

Straw Poll #3

- Is there interest in developing Backplane / Copper Cable PHYs based on 100 Gb/s electrical signaling per lane?
 - Yes – 18
 - No – 10
 - Maybe – 20

Straw Poll #4

- I would support
 - Developing a call-for-interest on one of the topics discussed tonight
 - Results 0
- IEEE 802.3 NEA continue hearing presentations on
 - a. 100 Gb/s based AUIs
 - b. 100 Gb/s Copper PHYs
 - c. 800 GbE
 - d. 1.6 Terabit E
 - e. 100 Gb/s per lane Optics
- Results
 - a. 60
 - b. 33
 - c. 5
 - d. 6
 - e. 49

There was general discussion regarding moving forward. The Chair thanked everyone for staying late, and indicated he would be talking further with the contributors, and look at planning further meetings / teleconferences to explore this topic.

Meeting broke at approximately 10:00pm

Attendees

IEEE 802.3 NEA Ad hoc Mar 2017 Plenary			3/14/2017
Last Name	First Name	Employer / Affiliation	Tues
Abbott	Justin	Lumentum	x
Anslow	Peter	Ciena	x
Baden	Eric	Broadcom	x
Bains	Amrik	Cisco	x
Baldwin	Thananya	Ixia	x
Beaudoin	Denis	TI	x
Booth	Brad	Microsoft	x
Bouda	Martin	Fujitsu	x
Braun	Ralf-Peter	Deutsche Telecom	x
Brooks	Paul	Viavi	x
Brown	Matt	Macom	x
Butter	Din	Global Foundries	x
Chang	Ayla	Huawei	x
Chang	Jacky	HPE	x
Chen	David	AOI	x
Cheng	Weiging	Coriant	x
Chuang	Kong Hua	HPE	x
Cober	Don	Comira	x
Cole	Chris	Finisar	x
Dawe	Piers	Mellanox Technologies	x
Dudek	Mike	Cavium	x
Estes	David	Spirent	x
Ewen	John	Global Foundries	x
Fife	James	Etopus	x
Flatman	Alan	LAN Technologies	x
Fritsche	Matthias	Harting	x
Ghiasi	Ali	Ghiasi Quantum	x
Gong	Zhigang	O-Net	x
Grow	Robert	RMG Consulting	x
Guckenberger	Drew	Luxtera	x
Hashimoto	Tomohiro	Socionext	x
Hayakana	Akinori	Fujitsu Laboratories	x
Healey	Adam	Broadcom Ltd	x
Hidaka	Yasuo	Fujitsu Lab of America	x
Hideki	Isono	Fujitsu Optical Components	x
Hormeyer	Bernd	Phoenix Contact	x
Horner	Rita	Synopsys	x
Huang	Xi	Huawei	x
Ingham	Jonathan	Foxconn Interconnect Technology	x

Ishibe	Kazuhika	Anritsu	x
Jackson	Kenneth	Sumitomo	x
Jackson	Ken	Sumitomo	x
Johnson	John	Broadcom Ltd	x
Kareti	Upen Reddy	Cisco	x
Kawatsu	Yasuaki	Apresia Systems	x
Kim	Yong	Broadcom	x
Kimber	Mark	Semtech	x
Kolesar	Paul	CommScope	x
Lackner	Hans	QoSCom	x
Law	David	HPE	x
Lee	June Hee	Samsung Electronics	x
Leizerovich	Hanan	MultiPhy	x
Lewis	David	Lumentum	x
Lim	Jane	Cisco	x
Lingle	Robert	OFS	x
Liu	Hai-Feng	Intel	x
Maki	Jeffrey	Juniper Networks	x
Malicoat	David	Malicoat Networking Solutions	x
Matoglu	Erdem	Amphenol	x
McClellan	Brett	Marvell	x
McSorley	Greg	Amphenol	x
Medina	Marci	Spirent	x
Nicholl	Gary	Cisco	x
Nordin	Ron	Panduit	x
Nordin	Ron	Panduit	x
Palkert	Thomas	Molex / Macom	x
Pepper	Gerald	Ixia	x
Pham	Phong	USConec	x
Piehler	David	Dell	x
Pimpinella	Rick	Panduit	x
Pozzebou	Dino	Microsemi	x
Rabinovich	Rick	Ixia	x
Ran	Adee	Intel	x
Rotolo	Salvatore	STMicroelectronics	x
Sayre	Edward	Samtec	x
Shirao	Mizuki	Mitsubishi Electric	x
Slavick	Jeff	Broadcom Ltd	x
Sommers	Scott	Molex	x
Sparrowhawk	Bryan	Leviton	x
Stauffer	David	Kandou Bus	x
Sun	Phil	Credo	x

Swanson	Steve	Corning	x
Szczepanek	Andre	Inphi	x
Takahara	Tomoo	Fujitsu Laboratories	x
Tamura	Kohichi	Oclaro	x
Tan	Kan	Tektronix	x
Tellas	Ron	Belden	x
Toyserkani	Pirooz	Cisco	x
Tracy	Nathan	TE Connectivity	x
Trowbridge	Steve	Nokia	x
Ulrichs	Ed	Source Photonics	x
Umnov	Alexander	Corning	x
Vanderlaan	Paul	Berk-Tek	x
Wang	Xinyuan	Huawei	x
Wang	Roy	HPE	x
Wertheim	Oded	Mellanox Technologies	x
White	Martin	Cavium	x
Wu	Peter	Marvell	x
Xu	Yu	Huawei	x
Young	Adrian	Leviton Mfg	x
Zhang	Huanlin	Applied OptoElectronics	x
Zhuang	Yan	Huawei	x
Zimmerman	George	CME Consulting	x