IEEE 802.3 HSE Consensus Ad Hoc

Phoenix, AZ, USA

21 – Jan - 2013

Meeting chaired by John D'Ambrosia, Dell

Meeting notes prepared by John D'Ambrosia, Dell

Meeting began at approximately 7:00pm

Meeting Webpage - http://www.ieee802.org/3/ad_hoc/hse/public/13_01/index.shtml

D'Ambrosia went over agenda and general information.
http://www.ieee802.org/3/ad_hoc/hse/public/12_11/agenda_hse_01_1112.pdf

Guidelines for IEEE-SA Meetings shown.

Draft CFI Presentation was presented and reviewed. Emphasis of work has been on need and technical feasibility sections - http://www.ieee802.org/3/ad_hoc/hse/public/13_01/CFI_D0p80.pdf

The presentation was shown briefly in its entirety so the group could understand the flow of the overall presentation.

Comments included

- Review colors of text and graphics on all slides. Difficult to read on some slides
- Remove unnecessary animations on slides 7-9
- On Slide 20
  - Possible things to add – Youtube, iCloud
  - Add Y-Axis category Description
- Slide on HPC?
- Slide #14 – add table from BWA Report that discusses BW generation capabilities of devices.
- Slide on video. Review Cisco VNI to see if video related BW on regional basis available
- Data Center Slide – Show pressures from Network above and servers below with a generic middle.
- Jim Theodoras – offer slides that looks at the impact in data cetners of database architectures
- Review data from OPCOM (Arthur Marris)
- General feeling is that presentation does not adequately address the timing issue of why 400GbE over Terabit Ethernet. Scope out the timeframe issue better.
- Discussion of horizontal bandwidth in data centers
- The example slides need to be improved so that the examples being discussed are easier to understand.
- Improve narrative about what options could be improved.
- Technical implementations – Options or viability?

- Slides related to link aggregation need to be improved. Link Aggregation is not a solution. While Bandwidth is growing, port speeds need to grow too. LAG bridges these steps and provides network architects with an implementation choice.

D'Ambrosia reviewed what would happen during the IEEE 802 March Plenary week in relation to the CFI. Also, the scope of the HSE Consensus Ad Hoc was reviewed. Pending a successful CFI at the WG, a motion would be proposed to the WG to end the Industry Connections HSE Consensus Ad Hoc pending successful approval of the SG at the 802 EC.

Attendees
John D'Ambrosia, Dell
Dave Chalupsky, Intel
Arlon Martin, Kotura
Mike Dudek, QLogic
Andre Szczepanek, Inphi
Arthur Marris, Cadence
Ghani Abbas, Ericsson
Brian Holden, Kandou
Peter Stassar, Huawei
Ralf-Peter Braun, Deutsche Telekom
Scott Kipp, Brocade
Gary Nicholl, Cisco
Mark Gustlin, Xilinx
David Ofelt, Juniper
Jeff Maki, Juniper
Rick Rabinovich, Alcatel-Lucent
Vipul Bhatt, Cisco
Beth Kochuparambil, Cisco
Brian Teipen, ADVA Optical
Jim Theodoras, ADVA Optical
Thananya Baldwin, Ixia
Jerry Pepper, Ixia
Yu Xu, Huawei
Xin Chang, Huawei
Xi Huang, Huawei
Li Zeng, Huawei
Marek Hajduczenia, ZTE
Edwin Mallette, Bright House Networks
Norm Svenson Clariphy
Neel Vatel, Clariphy
Ted Spague, Infinera
Menachem Abraham, Multiphy

Pat Thaler, Broadcom
Steve Swanson, Corning
Paul Vanderlaan, Nexans / Berk-Tek
Chen Guist, Mellanox
John Nolan, Qlogic
Mike Ressl, Hitachi
Bill Woodruff, Broadcom
Paul Mooney, Sprirent
Rob Lucas, Bandwidth IO
Tom Palkert, Molex, Luxtera, Xilinx
Keith Conroy, Multi-Phy
Qi Chen, Lorom Group
Megha Shanbhag, TE Connectivity
John McDonough, NEC America
Jack Jewell, Independent / Commscope
Shaohua Li, Brocade
Mike Li, Altera
Andy Zambell, FCI
Kiyoto Takahata, NTT
Xiao lu Song, Huawei
Kapil Shrikhande, Dell
Susumu Nishihara, NTT
Katsuhisa, Tawa, Sumitomo
Xueyan Zhehf, Huawei
Mark Nowell, Cisco
Stephen Bates, PMC-Sierra
Matt Brown, Applied Micro
David Law, HP
Arash Farhoodfar, Cortina
Vineet Salunke, Cisco
Pete Cibula, Intel
George Zimmerman, CME Consulting
Adam Healey, LSI
Wayne Larsen, Commscope
Hugh Barrass, Cisco
Steve Trowbridge, Alcatel-Lucent
Paul Kolesar, Commscope
Akio Tajima, NEC
Piers Dawe, IPTronics
Toshiki Sugawara, Hitachi
Masashi Kono, Hitachi
Nobuhiko Kikuchi, Hitachi

Toshiki Tanaka, Fujitsu
Hiroshi Hamano, Fujitsu
Dale Murray, Light Counting
Francois Trembelay, Samtech
Mark Bugg, Molex
Scott Sommers, Molex
Greg McSorley, Amphenol
Tomoo Takahara, Fujitsu
Sudeep Bhoja, Inphi
Jon Anderson, Oclaro
Arash Farhood, Cortina
Susumu Nishihara, NTT
Pete Cibula, Intel
Bill Szeto, Xtera
Wenbin Jiang, Cosemi
Song Shang, Semtech
Vineet Salunke, Cisco
Keith Kosanovich, Leviton
David Law, HP
Ed Nakamoto, Spirent
Tom McBeath, Spirent
Maarten Vissers, Huawei
Bob Wagner, Panduit
Vittal Balasubramanian, Brocade
Andy Zambell, FCI
John McDonough, NEC
Jun Tanaka, Fujitsu
Katsihisa, Tawa, Sumitomo
Jim Goell, nPP
Nathan Tracy, TE Connectivity