

Closing Report

IEEE P802.3bs 400GbE Task Force

John D'Ambrosia

Dell

Waikoloa, HI, USA

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IEEE P802.3bs 400GbE Task Force

Project information

- Task Force Organization
 - John D’Ambrosia, IEEE P802.3bs Task Force Chair
 - Kent Lusted, IEEE P802.3bs Task Force Secretary
 - Pete Anslow, IEEE P802.3bs Task Force Chief Editor
 - Mark Gustlin, Clause 117 Editor
 - Jonathan King, Clause 121 Editor
 - Andre Szczepanek, Annexes 120D, 120E
 - Peter Stassar, Clause 124 Editor
- Task force web and reflector information
 - Reflector information: <http://www.ieee802.org/3/400GSG/reflector.html>
 - Home page: <http://www.ieee802.org/3/bs/index.html>
 - PAR: http://www.ieee802.org/3/bs/PAR_P802.3bs_14_0612.pdf
 - CSD (including 5C): http://www.ieee802.org/3/bs/CSD_400_14_0121.pdf
 - Objectives: http://www.ieee802.org/3/bs/Objectives_14_0320.pdf
 - Approved Timeline http://www.ieee802.org/3/bs/timeline_3bs_0514.pdf
- Private area: <http://ieee802.org/3/bs/private/index.html>
 - Username: xxxxxxxx
 - Password: xxxxxxxx
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This Week

- ≈ 120 Attendees
- Reviewed 21 Technical Presentations
- Motions (See Next Page)
- Generated informal communication to OIF
- 3 Liaison Letters
 - 2: ITU-T SG 15
 - 1: COBO

Motions Summary (1 of 2)

- Adopted 500m baseline proposal
 - Move to adopt a baseline for the 500m SMF proposal based on welch_3bs_01a_0715 as 400GBASE-DR4.
 - Results All (y/n/a): **75 / 0 / 20**
- Adopted 2km baseline proposal
 - Move to adopt a baseline for the 2km SMF PMD objective based on the 2km proposal in slides 6-9 of cole_3bs_01a_0715
 - Results All (y/n/a): **68 / 0 / 25**
- Adopted PCS / PMA Architecture
 - Move to adopt pages 6-22 from gustlin_3bs_02c_0715.pdf as the baseline for the 400GbE PCS and PMA.
 - Results All (y/n/a) **83 / 0 / 17**

Summary of PHY Objectives

100m MMF	25G NRZ x16 fibers		
500m SMF			1 λ x 100G PAM4 x4 fibers
2km SMF		8 λ x 50G PAM4 x1 fiber	
10km SMF		8 λ x 50G PAM4 x1 fiber	

Selected

"x1 fibers" uses 2 fibers total (1 in each direction)
"x4 fibers" uses 8 fibers total (4 in each direction)
"x16 fibers" uses 32 fibers total (16 in each direction)

Motions Summary (2 of 2)

- Approved communications / liaisons by voice vote without opposition
 - Move that the IEEE P802.3bs 400 GbE Task Force approve the text in `trowbridge_3bs_01_0715.pdf` with editorial license granted to the Chair (or his appointed agent) as an informal communication by the Chair to OIF.
 - Move to approve the text in `trowbridge_3bs_02_0715.pdf` with editorial license granted to the IEEE 802.3 WG Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to ITU-T SG15.*
 - Move to approve the text in `trowbridge_3bs_03_0715.pdf` with editorial license granted to the IEEE 802.3 WG Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to ITU-T SG15 pending adoption of Draft 1.0 by the IEEE P802.3bs Task Force.*
 - Move to approve the text in `dambrosia_3bs_01_0715.pdf` with editorial license granted to the IEEE 802.3 WG Chair (or his appointed agent) as a liaison communication from the IEEE 802.3 Working Group to COBO.*

* File names to be updated to reflect file format for consideration by IEEE 802.3 WG

802.3 WG Motion

Move that 802.3 approve:

- IEEE_802d3_to_SG15_01_0715_draft.pdf
- IEEE_802d3_to_SG15_02_0715_draft.pdf (pending adoption of Draft 1.0 by the IEEE P802.3bs Task Force)
- IEEE_802d3_to_COBO_0715_draft.pdf

With editorial license granted to the Chair (or his appointed agent) as liaison communications from the IEEE 802.3 Working Group to ITU-T and COBO.

Moved: John D'Ambrosia

Second: Steve Trowbridge

Procedural (>50%) / Technical ($\geq 75\%$)

Results

Moving Forward

- Resolve architectural issue (FEC lane formation in relation to PCS)
- Create 1st draft document based on adopted baselines
- Begin process of developing technical complete document
- Re-charter adhoc
- Develop Timeline for consideration in September 15

Future Meetings

- See: <http://www.ieee802.org/3/interims/index.html>
- Sept 2015 Interim
 - Week of Sept 14
 - Hyatt Regency Coconut Point, Bonita Springs, FL, USA
 - Hosted by NEC
- Nov 2015 Plenary
 - Week of Nov 8
 - Hyatt Regency Dallas, Dallas, TX, USA
- Jan 2016 Interim
 - Week of Jan 18
 - Atlanta, GA, USA
- Mar 2016 Interim
 - Week of Mar 18
 - Macau China
- Anyone interested in hosting a meeting or webex contact me.

Thank You!