IEEE P802.3ch Multi-Gig Automotive Ethernet PHY Task Force
Closing Report

Steve Carlson
High Speed Design, Inc./Robert Bosch GmbH, Marvell
Rosemont, IL, USA
March 8, 2018
IEEE 802.3 Multi-Gig Automotive Ethernet PHY Task Force Information

Task Force Organization
Steve Carlson, Task Force Chair
Natalie Wienckowski, Chief Editor
Jon Lewis, Recording Secretary
Curtis Donahue, PICS Editor
George Zimmerman, Ad Hoc Chair

Task Force web and reflector information

Reflector information:
http://www.ieee802.org/3/NGAUTO/reflector.html

IEEE P802.3ch Multi-Gig Automotive Ethernet PHY Task Force

Progress this week

- 64 people---19 new (!)
- Reviewed discussion of cost in IEEE
- Presentations on link segment:
  - Typical use cases from 3 OEMS – length and number of in-lines
  - First look at link segment modelling results---useful tool
  - Suggestions from several OEMs, a PHY vendor and Tier 1 that existing high-speed STP with ~3 Ghz bandwidth would be workable
- Proposed environmental baseline text
- Additional EMC data on automotive wiring harness
- PoDL and possible PHY power level
- Ad hoc on next steps
Next Steps

- Assigned work for May interim
- Adopted environmental baseline text (from Clause 96)
- Chartered editor to produce D0.3
- Continue ad hoc conference calls
  - Next call scheduled for March 21
- Continue work on link segment performance
- First PHY architecture proposals
- Adopted timeline
  - TF D1.0 review in November
Questions?

Thank you!