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

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IEEE 802.3 Multi-Gig Automotive Ethernet PHY Task Force information

Task Force Organization
Steve Carlson, Task Force Chair
Natalie Wienckowski, Chief Editor
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

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Progress this week

• 56 people---19 new (!)

• Presentations on link segment:
  • SDP screening and coupling attenuation results are encouraging over 3 Mhz to 4.8 Ghz, e.g. ≥ 60 dB
  • RF ingress test from automotive ALSE test to 3 Ghz, 1.5 to 5 mV differential noise; next pass to 5 Ghz
  • BCI tests 1 mV to 8mV differential noise (depends on grounding)
  • Good correlation of data from several independent tests

• EMC environment is a major driver for P802.3ch

• Continue additional work on transmission line characteristics required for PHY: IL and RL to 7.5 Ghz

• First look at possible TX-PSD mask
Next Steps

• Continue ad hoc conference calls
  • Next call scheduled for November 29

• Continue work on cable/connectors performance, including next-gen systems in process

• Work towards PHY architecture proposals
Questions?

Thank you!