

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>

Home page: <http://ieee802.org/3/ch/index.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!