

# 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

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## 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>

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

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## Progress this week

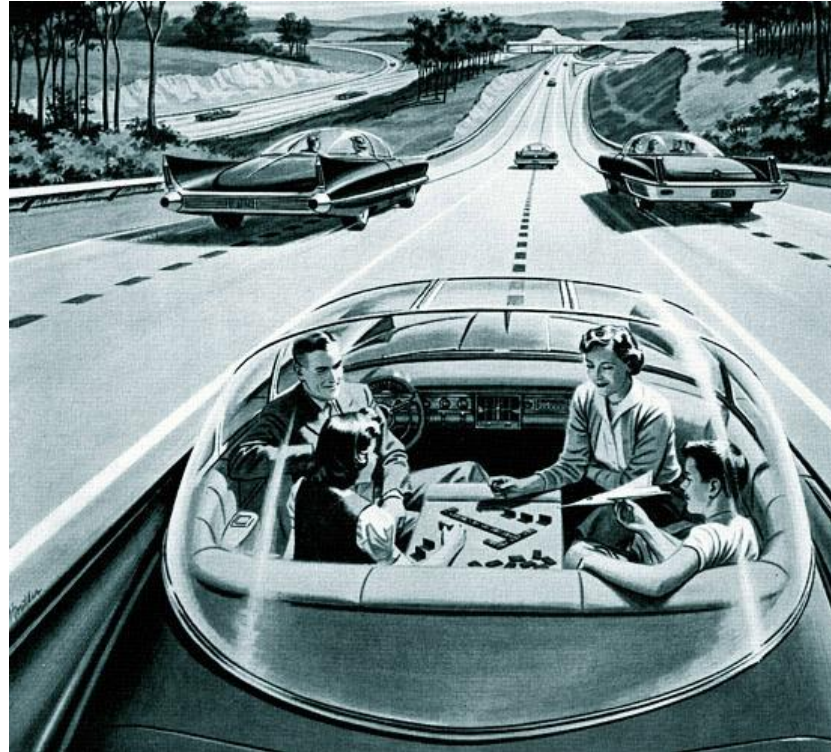
- 90 people total attendance; Wednesday: 85 Thursday: 66
- 12 motions; 17 straw polls
- Response to MIPI liaison letter: none needed at this time
- Updated link segment specifications
- Adopted PAM-4 for 2.5, 5 and 10 Gb/s
- Adopted Reed-Solomon with 10-bit RS symbol, plus interleaving if needed.
- Added OAM channel
- Adopted 5.625 GBaud for 10 Gb/s; 5 Gb/s is  $\frac{1}{2}$  this rate; 2.5 Gb/s is  $\frac{1}{4}$  this rate
- Adopted “Link Synchronization” from 1000BASE-T1
- Adopted differential characteristic impedance text

# Next Steps

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- Assigned work for ad hoc calls and September interim
- Chartered editor to produce D0.5 for first TF review
- Continue ad hoc conference calls
  - Next call scheduled for August 8
- Work on action items
  - RS-FEC frame
  - Impulse noise burst protection
  - Text for draft
  - EEE/ possible asymmetrical mode

# Questions?



# Thank you!