Agenda and General Information

IEEE 802.3

MultiGigabit Automotive Ethernet PHY Study Group Ad Hoc

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CME Consulting, Inc.

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MultiGigabit Automotive Ethernet PHY SG Ad Hoc Communications

- The web page and reflector are up.

- The ad hoc area files are posted at:
  - http://www.ieee802.org/3/NGAUTO/public/adhoc/index.html

- Reflector instructions are at:
  - http://www.ieee802.org/3/NGAUTO/reflector.html

- we are still also using the NG-ECDC reflector

Attendance

- Attendee names and affiliations for these ad hoc meetings will be taken from the Webex participants list.

- Please ensure that your full name and employer/affiliation are indicated correctly.

- If the Webex participants list does not correctly indicate your name and employer/affiliation, please send an e-mail to the SG and/or AdHoc chair.

Goals for a SG

- Develop a set of objectives for the project
- Develop responses for the CSD (Criteria for Standards Development)
- Develop a PAR
- Review presentations substantiating the above

- Lay the ground work for the next meeting

Ground Rules

- Based upon IEEE 802.3 Rules
  - Foundation based upon Robert's Rules of Order
  - Anyone in the room may speak
  - Anyone in the room may vote
- **RESPECT**… give it, get it
- NO product pitches
- NO corporate pitches
- NO prices!!!
  - This includes costs, ASPs, etc. no matter what the currency
- NO restrictive notices

Guidelines for IEEE-SA Meetings

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**

- **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**

- **Don't discuss specific license rates, terms, or conditions.**

    - Relative costs, including licensing costs of essential patent claims, of different technical approaches may be discussed in standards development meetings.

        - Technical considerations remain primary focus

- **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**

- **Don't discuss the status or substance of ongoing or threatened litigation.**

- **Don't be silent if inappropriate topics are discussed… do formally object.**

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org or visit http://standards.ieee.org/about/sasb/patcom/index.html

See *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and "Promoting Competition and Innovation: What You Need to Know about the IEEE Standards Association's Antitrust and Competition Policy" for more details.

This slide set is available at https://development.standards.ieee.org/myproject/Public/mytools/mob/preparslides.ppt

March 2015
IEEE-SA Standards Board Patent Committee

The Study Group

- Normal function is to draft a complete PAR and Five Criteria
- Provide a plenary week tutorial to the LMSC.
- Gain approval at the IEEE 802.3 WG, IEEE 802 EC, IEEE-SA NesCom and IEEE-SA Standards Board.
- SG only exists for 6 months
    - Extensions can be requested
    - Voted on by IEEE 802.3
    - Ratified by IEEE 802 EC
- Development of Objectives helps set the goals for the Task Force
- Consensus required to move forward

- Not a goal – choosing a solution.

Request for Formation of Study Group (as per November 2016 Plenary Motion)

- Move that the IEEE 802.3 Working Group request the formation of a Study Group to develop a Project Authorization Request (PAR) and Criteria for Standards Development (CSD) responses for MultiGig Automotive Ethernet PHY

- What do we know?
  - It's a PHY project!
  - It's more than a 1 Gigabit!
  - It's Automotive!

Crash course on Study Group goals

For an overview of Study Group activities, please refer to:

Overview of the Process – Wael Diab
http://www.ieee802.org/3/400GSG/public/13_05/diab_400_01_0513.pdf

Review of the 5 Criteria – Howard Frazier
http://www.ieee802.org/3/400GSG/public/13_05/frazier_400_01_0513.pdf

Guidelines for Project Objectives – Howard Frazier
http://www.ieee802.org/3/400GSG/public/13_05/frazier_400_02_0513.pdf

The following slides are adapted from these excellent presentations. The originals, while a little dated, remain, in spirit, correct.

(THANKS TO MARK NOWELL and the 25Gbps Study Group)

What does the Study Group Produce?

- PAR
  - Our "contract" with the IEEE-SA and "authorization" to develop a standard
    - Goes all the way up the hierarchy
  - Broadly focuses on what the standard is that group will work on including scope, purpose, broad timeline (not a project plan)
  - High level - to notify anyone interested as to what we're attempting to do

- 5 Criteria (now called CSDs)
  - Broad Market Potential, Compatibility, Distinct Identity, Technical Feasibility, Economic Feasibility
    - Controlled at the 802 EC level

- Objectives
  - Our "contract" with 802.3 – controlled at the 802.3 level

Presentations

Title	Presenters(s)	Affiliation(s)	Approx Time
Agenda	George Zimmerman, Acting Chair, Ad Hoc	CME Consulting / Commscope, LTC, &Aquantia	7-7:15
Acting Chair's Comments	Steve Carlson	High Speed Design	7:20-7:30
~~Optical Connector Sizes and Distribution~~	~~Carlos Parda~~ ~~Matthias Jaenecke~~ WITHDRAWN FOR THIS MEETING	~~KDPOF~~ ~~Yakazi~~	~~7:30-7:50~~
Discussion & Next Steps	All		-9AM

Future Meetings

- See: http://www.ieee802.org/3/interims/index.html
- Ad hoc meetings every 2 weeks, this time slot
  - (Dec 21, Jan 4)
  - **DEADLINE FOR PRESENTATION REQUESTS OF 5PM PACIFIC TIME FRIDAY DEC 16, IF NO REQUESTS ARE RECEIVED, MEETING WILL BE CANCELLED.**
- First face-to-face Study Group meeting:
  - January 2017 802.3 Interim
    - Huntington Beach, California (Waterfront Beach Hilton)
    - January 9-13, 2017
- March 2017 802 Plenary
  - Vancouver, BC Canada (Hyatt Regency/Fairmont Vancouver)
  - March 12-17, 2017

Thank You!