Acting Chair's Comments

IEEE 802.3 Study Group
10Mb/s Single Twisted Pair Ethernet (10SPE)

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Study Group (SG) Scope / Authorizing 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 10Mb/s Single Twisted Pair Ethernet including optional power.
  - Source: Unconfirmed minutes, 802.3 July 2016 Closing Plenary, Motion 22

- Take aways (my interpretation):
  - Only 10 Mbps on 1 twisted pair is in scope for the SG
  - Powering is IN scope, but not required, and should be optional
- Generally the group will determine the scope within this
  - Study Groups develop documents for the Working Group
  - Agreements in the SG need to pass the 802.3 Working Group and EC

The Goal: Get to Task Force

- We are not convened to generically "Study" the problem
  - We study in a 'structured' fashion

- Nominally – this means write a PAR and CSDs which the 802.3 WG and the 802 EC, etc. can pass.
  - Templates available, in 802.3 "tools" page, see any 802.3 project for examples of finished product

- Practically – Get agreement on what problem or problems we want to solve and make the case that they are solvable and worthwhile
  - If we don't do this, we will have trouble
  - If we do this, and document it, the PAR and CSDs will write themselves
  - Generally, we do this through 'Objectives', and align with the CSDs and PAR

The substance: Objectives (process)

- Where there are tradeoffs in market needs addressed, technical or economic feasibility, provide presentations
  - Decisions without backup don't progress well
  - We are contribution driven
  - We only go as fast as people contribute
  - Consensus works better if people know what is coming
- Objectives CAN change during Task Force

Big Ticket Items

- System topology (pt-to-pt or multipoint?)
  - How does this influence objectives for full duplex or half duplex?
- Powering and Intrinsic Safety
- Distances / Technical feasibility

THANK YOU!