

Noise Discussion Output

- Proposal to include MICE tables [likely motion]
 - Also consider IEC 61918 in addition
- Possible proposed noise model for PHY evaluation [straw poll]
 - 75mV noise model seems a good starting point
- Validating the noise model (as PHY work goes on)
 - Getting repeatable measurements
 - Stimulation – noise sources to use
 - Coupling – need alignment on common coupling configurations for measurement
 - Measurement

Multidrop Discussion Outputs

- Strawman multidrop topology (cabling) – pick one.
 - I support an additional objective of the form: “Define a multidrop link segment and a PHY for up to at least:
 - 5 nodes and a total of 15 meters of cabling and 2 inline connectors, in a linear configuration
- Y:25
- N:9
- A:14
- Need to know more: 0
- Comments from those voting No:
 - Concern over fragmenting the volume
 - Concern/experience with multidrop networking being overcome by switched networks
 - Principle – including the EPON multipoint MAC in Std 802.3 was a mistake (applicability of CSMA/CD might reverse this)

Powering Next Steps Discussion

- Proposals from Diminico:
 - Adopt normative annex to address optional power, containing:
 - Adopt decision that we will have plug-and-play and engineered power
 - Adopt 2 tables: (1) Pt-to-pt PSE/PD (2) Engineered PSE outputs
 - Adopt 1 table: Informative table of DCR characteristics of link segments
- Consider consolidated power and use cases to progress our work
 - Identify classes of devices for which we could provide line powering (or power control) that exist today
- Proposal from Zimmerman:
 - Consider a maximum resistance for plug-and-play application
- Proposal from Stewart:
 - Reconcile additional use cases within PoDL framework
 - Classes, Tables and corresponding parameters (TBD)