802.3da
Path Forward

Straw Poll

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Topics

- Cable Models
- PHY Models
- Compensation Limits
- Repeater / Retimer
- Power Limits

Straw Poll Question # 1 – Cable Models

- I support a deadline of October 31, 2022 for submission of cable models representative of cable specifications to be considered in 802.3da. (Yes / No / Abstain)
  - Cable types with models submitted by the deadline would be included in the consensus model simulations and with favorable results considered for use with 802.3da.
  - Cable types without a model, or with a model submitted after the deadline would require the submitter to re-run applicable model simulations themselves and present those results.

Straw Poll Question # 2 – PHY Models

- I support adoption of the PHY Transmitter and Receiver models previously presented by Piergiorgio Beruto to be representative of the worst-case transmitter and receiver for 802.3da. (Yes / No / Abstain)
  - This model would set a minimum complexity for an 802.3da PHY by way of a motion at the November Plenary.
  - Proponents of additional constraints and/or PHY features would be expected to provide adequate data and/or technical justification.

Straw Poll Question # 3 – Compensation Limits

- I support a deadline of October 31, 2022 for submission of compensation network tolerance specifications to be adopted in 802.3da. (Yes / No / Abstain)
  - Worst-case compensation network tolerance would be adopted into 802.3da by a motion at the November Plenary.
  - Proponents wishing to alter these specifications in such a way that would require re-simulation would be expected to present the results of re-running applicable model simulations.

Straw Poll Question # 4 – Repeater / Retimer

- I support a deadline of October 31, 2022 for submission of repeater / retimer proposals for 802.3da. (Yes / No / Abstain)
  - A proposal would need to explain how retimers and/or repeaters would successfully work with PLCA/DPLCA.
  - If no proposals are received, the chair will no longer solicit presentations on these topics and remove them from the work items list following a successful motion on this matter at the November plenary.

Straw Poll Question # 5 – Power Limits

- I support a deadline of October 31, 2022 for submission of data-pair power limits to be adopted in 802.3da. (Yes / No / Abstain)
  - A power budget target for each powered device on the data mixing segment would be adopted by a motion at the November Plenary.
  - Proponents wishing to alter these specifications in such a way that would require re-simulation would be expected to present the results of re-running applicable model simulations.

Thanks!