

Proposal for a Path Forward

IEEE 802.3dm

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Background

- One of the big-ticket technical items for the TF is to pick duplexing method(s)
- There has been significant number of presentations related to ACT and TDD duplexing
- A lot of common text that applies to both proposals has been identified and incorporated in D0.5
- Many participants have expressed a desire towards a consensus path that incorporates the elements of both methods
- This presentation outlines a high-level concept of a potential path forward with details to be worked out based on strong consensus

Proposed path forward

- Common startup as much as practical
- During data mode, PHY can use either ACT or TDD duplexing mode of operation
- Test modes to be as common as practical

Impact on PAR?

- 5.2.b Scope of the project:

The scope of this project is to specify additions to and appropriate modifications of IEEE Std 802.3 to add Physical Layer specifications and management parameters for electrical media and operating conditions that are optimized for automotive end-node camera links for operation up to 10 Gb/s in one direction and with a lower data rate in the other direction.

Upon examination of the PAR scope statement...

Contributors believe that the proposed path is within the approved scope and no change is likely required.

Straw Poll

I support 802.3dm Physical Layer specifications that incorporate two modes of duplexing such that a PHY is allowed to support either or both ACT and TDD duplexing methods.

- Yes
- No
- Abstain

Straw Poll

I support 802.3dm Physical Layer specifications that incorporate two modes of duplexing such that a PHY is allowed to support either or both ACT and TDD duplexing methods. (802.3 voters only)

- Yes
- No
- Abstain

Thank You!