

Proposed updates to proposed 802.3dx PAR and CSD language: “PLCA packet transmission” and “PLCA Sublayers”

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PAR Scope clarification “PLCA packet transmission”

The proposed PAR scope refers to “the control of PLCA packet transmission”

This creates potential confusion outside our group in that it suggests there is such a thing as a “PLCA packet”

- This could get worse with proposals to limit or restrict MTU size because arguably there then COULD be something considered a “PLCA packet”

The word “PLCA” here adds no value. The scope has already mentioned the PLCA, and we are controlling the transmission of packets.

Recommendation: Delete “PLCA” and just make it “control of packet transmission”

Existing language in proposed PAR/CSDs: PLCA Sublayers

Proposed P802.3dx PAR scope (5.2b) and CSD Compatibility (c) language refer to modifications and updates to “PLCA sublayers”

- There is only ONE PLCA sublayer, the PLCA Reconciliation Sublayer (RS). Anything below the RS is in the PHY, and not specific to PLCA.
- If we mean to modify the PHY (e.g. the PCS or the MII encoding/decoding), we are no longer compatible with Clause 147 10BASE-T1S multidrop mode and Clause 188 10BASE-T1M PHYs. If we mean to modify the PCS or MII, then we should say so – and call them out.

Recommendation: Clarify that we do not want to modify the PHY, we want to be compatible with the existing standard PHYs.

Modification to PAR Scope & CSD Compatibility

Propose to change PAR 5.2b Scope of the Project as shown:

The scope of the project is to make additions and modifications to the IEEE Std 802.3 Physical Layer Collision Avoidance (PLCA) Reconciliation S~~s~~ublayer~~s~~ to enhance the control of ~~PLCA~~ packet transmission, including management parameters and physical layer service access points.

Propose to change to CSD Compatibility (c) response:

- Replace “and PLCA sublayers may be updated” with “and the PLCA Reconciliation Sublayer may be updated”