Objectives Contribution to IEEE 802.3 E-PLCA Study Group

Ad hoc teleconference on Oct 1, 2026

Draft – Working Copy

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Uploaded again to help promote discussions and contributions. A draft.

PLCA Enhancement SG Objectives (1 of 2)

- Preserve PLCA fair and equal access method.
- ~~Preserve optional PLCA node ID allocation method.~~
  Preserve compatibility with D-PLCA (add clauses) (Y/N - discuss)
- Preserve optional Time Synchronization Interface (TSSI)
- ~~Support interoperability with CSMA/CD~~
- ~~Preserve PLCA's interoperability with CSMA/CD.~~
- Support interoperability with Clause 147 & 188 multidrop PHYs.

PLCA Enhancement SG Objectives (2 of 2)

- Specify methods to improve access latency and latency variability per node.
- Specify methods to improve access latency and latency variability by frame's class of service per node.
- Specify PLCA selection service client to be used by upper layer.
- ~~Support "physical layer re-transmission".~~