

Objectives Contribution to IEEE 802.3 E-PLCA Study Group

Ad hoc teleconference on Oct 1, 2026

Draft – Working Copy

Edited by: Yong Kim

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 optional Time Synchronization Interface (TSSI)
- Support interoperability with CSMA/CD
- Support interoperability with Clause 147 multidrop

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 (e.g. transmit selection function in 802.1. Analogous to TSSI service client use by 802.1AS).