

IEEE P802.3da Objectives

1. Define performance characteristics of a mixing segment for 10Mb/s multidrop single balanced pair networks supporting up to at least 16 nodes, for up to at least 50m reach.
2. Maintain a bit error ratio (BER) at the MAC/PLS service interface of less than or equal to 10^{-10} on the new mixing segment.
3. Specify an optional PLCA node ID allocation method **DO ME**
4. Support interoperability with Clause 147 multidrop **update.**
5. Support optional Time Synchronization Service Interface (TSSI) **DO ME**
PMA PCS spec.?
6. Select a single **MDI** connector - **proposed to delete.**

*TCL [Powering. potentially 2⁺P solution]
if we don't change, our LSPs are broken.*

*- Support a default
TCL connector.*

Standardizing the electrical specs, not the mechanical

IEEE P802.3da Objectives - continued

7. Specify improvements for Energy Efficient Ethernet compared to current 10Mb/s multidrop single balanced pair networks *could specify but not be bound to it - I'll defend. comparison to CG? that's what we'd improve. Delete?*
8. Support operation in the noise environments for building, industrial, and transportation applications
9. Specify optional plug-and-play power distribution over the mixing segment
10. PSE shall only energize the mixing segment when at least one PD is connected *Jason to bring presentation. Docs not reflect data + power PANS*
11. Support addition and removal of a node or set of nodes to a continuously operating powered mixing segment *TU may change this. Support to delete.*