

Proposed replacement objective for P802.3cx

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Replacement objective for P802.3cx

Current objective:

Define optional enhancements to Ethernet support for time synchronization protocols to provide improved timestamp accuracy in support of ITU-T Recommendation G.8273.2 'Class C' and 'Class D' system time error performance requirements.

The ITU recommendation is a system performance recommendation and has no specific metrics for PHY data delay path performance. It is therefore impossible to determine if the objective is met by an IEEE 802.3 PHY.

Replacement objective for P802.3cx

Replacement objective:

Define optional enhancements to IEEE Std 802.3 Clause 90 (support for time synchronization protocols) to support applications requiring sub-nanosecond performance requirements, e.g., “ITU-T Recommendation G.8273.2 'Class C' and 'Class D' system time error performance requirements.”

The replacement objective defines what is required of a PHY (support sub-nanosecond reporting) and uses the ITU recommendation as an example of applications that might require such reporting.