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8802-1AS

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**Information technology —
Telecommunications and information
exchange between systems — Local
and metropolitan area networks —**

Part 1AS:

**Timing and synchronization for time-
sensitive applications in bridged local
area networks**

*Technologies de l'information — Télécommunications et échange
d'information entre systèmes — Réseaux locaux et métropolitains —*

*Partie 1AS: Temporisation et synchronisation pour les applications
sensibles au temps des réseaux locaux pontés*

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Abstract: Protocols, procedures, and managed objects for the transport of timing over local area networks are defined in this standard. It includes the transport of synchronized time, the selection of the timing source (i.e., best master), and the indication of the occurrence and magnitude of timing impairments (i.e., phase and frequency discontinuities).

Keywords: best master, frequency offset, Grandmaster Clock, Grandmaster PTP Instance, PTP End Instance, PTP Relay Instance, IEEE 802.1AS™, phase offset, synchronization, syntonization, time-aware system

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