

Title: Liaison on IEEE P802.1DGei
From: IEEE 802.1 Working Group¹
For: Information
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Dear Colleagues,

The IEEE 802.1 Working Group would like to inform you about the start of the [IEEE P802.1DGei](#) project, which amends the IEEE 802.1DG Time-Sensitive Networking Profile for Automotive In-Vehicle Ethernet Communications standard with time synchronization details.

The IEEE P802.1DGei amendment selects IEEE 802.1AS time synchronization options, defaults, and parameter values, and provides configuration guidelines and constraints for automotive in-vehicle bridged IEEE 802.3 Ethernet networks.

There are many options for time synchronization in automotive networks, including IEEE 802.1AS. Therefore, there is a need to provide specific details on the use of IEEE 802.1AS for automotive in-vehicle networks. This will help to achieve standardized, consistent, deterministic time synchronization behavior, ensure interoperable implementations across vendors, and facilitate integration and validation for time-sensitive applications in automotive in-vehicle networks.

The intent is to involve experts from the automotive industry together with Time-Sensitive Networking (TSN) experts. The more participation, the better this standard will represent the needs of the entire industry.

We invite individual participants in the Avnu Alliance activity to participate and contribute to the development of the IEEE P802.1DGei amendment. We encourage liaison statements from Avnu Alliance, e.g., presentations describing any industry needs.

We would also invite participation in our balloting process as we move the IEEE P802.1DGei project through its various stages of development, e.g., via participation at the IEEE 802.1 TSN TG meetings.

Note that the IEEE 802 work is open and contribution driven. Participation is on an individual basis and technical discussion can be conducted based on individual contributions. The IEEE 802.1 TSN Task

¹ This document solely represents the views of the IEEE 802.1 Working Group, and does not necessarily represent a position of IEEE, or the IEEE Standards Association, or IEEE 802.

Group meets at Plenary and Interim sessions and holds electronic meetings in-between sessions as listed in the WG calendar: <https://1.ieee802.org/wg-calendar>.

Respectfully submitted,
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Chair, IEEE 802.1 Working Group