

CALL FOR PARTICIPATION

IEEE P802.1DGei™ – Time-Sensitive Networking Profile for Automotive In-Vehicle Ethernet Communications – Amendment: Automotive Time Synchronization

IEEE Standards Association (IEEE SA) invites you to participate in the IEEE P802.1DGei™ Time-Sensitive Networking Profile for Automotive In-Vehicle Ethernet Communications – Amendment: Automotive Time Synchronization project.

WHY GET INVOLVED

The [IEEE P802.1DGei™](#) project has been established to ensure that experts are involved in defining the use of the IEEE 802.1AS generalized Precision Time Protocol (gPTP) as part of the [IEEE 802.1DG™](#) Time-Sensitive Networking Profile for Automotive In-Vehicle Ethernet Communications specification. 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.

The [IEEE 802.1DG™](#) standard, as a [profile specification](#), describes the use of Ethernet bridged networks and TSN based on IEEE standards in automotive in-vehicle networks.

The [IEEE P802.1DGei™](#) project, as an amendment, adds time synchronization details to the [IEEE 802.1DG™](#) standard. 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 stakeholders include manufacturers, suppliers, and users of automotive Ethernet equipment and components, including automotive manufacturers, suppliers, semiconductor vendors, network equipment vendors, tool and test vendors

KEEP YOURSELF INFORMED

The first step is to keep yourself informed by subscribing to the main e-mail list of the IEEE 802.1 Working Group at <http://www.ieee802.org/1/email-pages/>. Also subscribe to <https://listserv.ieee.org/cgi-bin/wa?A0=STDS-802-1-MINUTES> in order to get messages with detailed information about Working Group meetings.

HOW TO PARTICIPATE

The best way to get involved in the project is to attend in-person or [electronic](#) meetings as listed on the [IEEE 802.1™ page](#). Interested parties are welcome to attend.

If you would like to participate in the [IEEE P802.1DGei™](#) project, please [e-mail](#) Glenn Parsons, Working Group Chair, Jessy Rouyer Working Group Vice-Chair, János Farkas, Task Group Chair, David McCall Task Group Vice-Chair with the following information:

- Your name and email address
- Name of your employer or other affiliation
- Particular areas of interest