

CALL FOR PARTICIPATION

IEEE P802.1EH™ – Telemetry Tagging of Data Frames

IEEE Standards Association (IEEE SA) invites you to participate in the IEEE P802.1EH™ Telemetry Tagging of Data Frames project.

WHY GET INVOLVED

The [IEEE P802.1EH™](#) project has been established to ensure that experts are involved in defining telemetry for IEEE 802.1 bridged networks. The intent is to involve bridge networking experts together with experts from various industries, e.g., high-performance Artificial Intelligence (AI) and High-Performance Computing (HPC) experts of the Ultra Ethernet Consortium (UEC). The more participation, the better this standard will represent the needs of the entire industry.

The [IEEE P802.1EH™](#) project specifies signaling of telemetry in dedicated tags added to data frames. This telemetry is a simple, high-performance method to provide information about the congestion state of the bottleneck hop along a data frame's path within a flow. The collection of fine-grained bottleneck information can be important for traffic engineering and network performance analysis. The telemetry works for Medium Access Control (MAC) bridges, Customer Virtual Local Area Network (C-VLAN) bridges, and Service Virtual Local Area Network (S-VLAN) bridges, and end stations. Furthermore, MAC Security (IEEE Std 802.1AE) is also supported together with telemetry. In addition, a service interface will also be specified to enable higher layer protocols to initiate and retrieve telemetry from the data link layer.

[IEEE P802.1EH™](#) includes support for UEC's Congestion Signaling (CSIG) protocol, and will also provide foundation for future development of the protocol.

The stakeholders include data center and AI accelerator network operators and users, network equipment manufacturers, network silicon suppliers, LAN network operators and users, telecom providers, cloud providers.

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 P802.1EH™](#) 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