

CALL FOR PARTICIPATION

IEEE P802.1EJ™ – Backward Notification

IEEE Standards Association (IEEE SA) invites you to participate in the IEEE P802.1EJ™ Backward Notification project.

WHY GET INVOLVED

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

As the data center market continues to grow rapidly, driven by the scaling of networks for Artificial Intelligence (AI), Machine Learning (ML), and High-Performance Computing (HPC) workloads, network efficiency is essential. The [IEEE P802.1EJ™](#) project will specify a multi-hop Backward Notification (BN) mechanism to improve efficiency by enabling bridges at the point of network events to generate rapid, structured notification and transmit them toward the traffic source. These notifications can convey congestion indications, network state information, and packet-related information to enable timely responses by the traffic source, including sender rate adaptation, load balancing decisions, and fast retransmission as needed by higher layer entities. Backward notification enables timely and informed decisions for congestion management, path re-balancing, and failure recovery; and is particularly valuable for links with long round trip time or when the forward path is unavailable.

The stakeholders include developers and users of networking for data center environments including integrated circuit developers, bridge and end station vendors, network operators and users.

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 P802.1EJ™](#) 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