802.1 Motions for LMSC agenda, including supporting material

IEEE 802 LMSC
March 2023

V2 (802.1 version #)

802.1 Motions
2022-03

Liaisons and external communications (ME)

Motion

- Approve the Call for Participation in the IEC/IEEE 60802 project in https://www.ieee802.org/1/files/public/docs2023/60802-draft-cfp-0323-v01.pdf for release by IEEE SA, granting the IEEE 802.1 WG chair (or his delegate) editorial license.

- In the WG (y/n/a): 42, 2, 6
  - Proposed: Jordon Woods, Second: Ludwig Winkel

- In EC, mover: Glenn Parsons, Second: Roger Marks
  - (y/n/a): <y>,<n>,<a>

CALL FOR PARTICIPATION

IEC/IEEE 60802 – Time-Sensitive Networking for Industrial Automation

IEEE Standards Association (IEEE SA) invites you to participate in the review of the work that has been completed by the IEC/IEEE 60802 Joint Project on Time-Sensitive Networking for Industrial Automation.

WHY GET INVOLVED

The IEEE SA announces that the IEC/IEEE 60802 project has progressed to Working Group ballot. A cooperative IEC/IEEE 60802 Joint Project has been established between the International Electrotechnical Commission (IEC) and the Institute of Electrical and Electronics Engineers (IEEE) involving experts across the networking and industrial automation domains specifying the use of IEEE 802.1 Time-Sensitive Networking (TSN) for industrial automation.

The IEC/IEEE 60802 project specifies profiles that select features, options, configurations, defaults, protocols, and procedures of bridges, end stations, and LANs to build industrial automation networks. The profiles meet the industrial automation market objective of converging Operations Technology (OT) and Information Technology (IT) networks by defining a common, standardized network infrastructure. This objective is accomplished by taking advantage of the improvements that TSN provides to IEEE 802.1 and IEEE 802.3 standard Ethernet networks by delivering data transport with bounded low latency, low latency variation, zero congestion loss for critical traffic, and high availability.

"*Ensuring a common layer 2 and thus, a common approach to management, is foundational to the realization of the factory of the future. The progression of the profile to working group ballot is an important step on the journey to that future"* says Jordon Woods, editor of the IEC/IEEE 60802 joint project.

"The motivation of IEC 65C/WG 18 to establish a joint effort of IEC and IEEE is that we will have the competence of IEC SC65C experts for communication systems for industrial automation and IEEE 802 on board to specify the profile and if there will be gaps to have a short and quick relation to amend the IEEE 802 technologies suitable for the broad IEEE 802 audience as well as for the industrial automation industries (IT and OT) to achieve a converged network approach versus the fieldbus specified in IEC 61784-1 and IEC 61784-2" says Ludwig Winkel (L.A.N. Winkel consulting), convenor and chair of the IEC/IEEE 60802 joint project.

The stakeholders include developers, integrators, industrial automation manufacturers and suppliers, test equipment vendors, certification agencies, and users of networking services and components for industrial automation.

Those interested in further progressing this important work are encouraged to join the standardization process.

KEEP YOURSELF INFORMED

The first step is to keep yourself informed by subscribing to the main email 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 to receive emails 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. The IEC/IEEE 60802™ Joint Project also holds weekly electronic meetings on Mondays and Fridays from 9:00 AM - 11:00 AM ET. Interested parties are welcome to attend.

If you would like to participate in the IEC/IEEE 60802 Joint Project, please e-mail Ludwig Winkel, IEC/IEEE 60802 Joint Project Chair, Jordon Woods, IEC/IEEE 60802™ Editor, Glenn Parsons, IEEE 802.1 Working Group Chair, and/or János Farkas, IEEE 802.1 TSN Task Group Chair with the following information:

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

Info needed for the above CFP:

- Standard Number & Title: IEC/IEEE 60802 Time-Sensitive Networking Profile for Industrial Automation
- Working Group microsite: https://1.ieee802.org/tsn/iec-ieee-60802/
- Working Group Name: IEEE 802.1
- Working Group Chair: Glenn Parsons (glenn.parsons@ericsson.com)
- Managing Society: IEEE Computer Society/LAN/MAN Standards Committee (C/LAN/MAN)
- PAR Purpose and/or Scope: This document defines time-sensitive networking profiles for industrial automation. The profiles select features, options, configurations, defaults, protocols, and procedures of bridges, end stations, and LANs to build industrial automation networks. This document also specifies YANG modules defining read-only information available online and offline as a digital data sheet.
- Applicable Technology Area: factory automation, process automation, energy automation, motion and robotics, machine-builders
- Program Manager Name & Email Address: Ron Hotchkiss (r.w.hotchkiss@ieee.org)
- János Farkas (janos.farkas@ericsson.com)
- Ludwig Winkel (ludwig.winkel@online.de)
- Meeting Date, Time, Location: The IEC/IEEE 60802 Joint Project holds weekly electronic meetings on Mondays and Fridays from 9:00 AM - 11:00 AM ET