P60802

Submitter Email: janos.farkas@ericsson.com
Type of Project: New IEEE Standard
PAR Request Date: 04-Oct-2017
PAR Approval Date:
PAR Expiration Date:
Status: Unapproved PAR, PAR for a New IEEE Standard

1.1 Project Number: P60802
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Time-Sensitive Networking for Industrial Automation

3.1 Working Group: Higher Layer LAN Protocols Working Group (C/LM/WG802.1)
Contact Information for Working Group Chair
Name: Glenn Parsons
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3.2 Sponsoring Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee (C/LM)
Contact Information for Sponsor Chair
Name: Paul Nikolich
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4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 01/2021
4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2021

5.1 Approximate number of people expected to be actively involved in the development of this project: 30
5.2 Scope: This standard defines profiles that select features, options, configurations, defaults, protocols and procedures of bridges, stations and LANs that are necessary to build industrial automation networks that are capable of transporting time- and mission-critical streams together with non-critical streams.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: This document will not include a purpose clause.
5.5 Need for the Project: Multiple Time-Sensitive Networking (TSN) standards are available in order to deploy converged networks for operations technology and information technology. Furthermore, the TSN standards provide a lot of flexibility in their use. Therefore, guidelines need to be provided to the users of the TSN standards in order to build bridged networks for industrial automation. That is, the use and the configurations of functions defined in the IEEE 802 standards need to be specified by standard profiles for bridged industrial automation networks.

5.6 Stakeholders for the Standard: Developers, providers, and users of networking services and equipment for Industrial Automation, In-vehicle networking, Professional Audio-Video (AV) and other systems requiring high availability traffic, including networking integrated circuit (IC) developers, bridge and network interface card (NIC) vendors, and users.

Intellectual Property
6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?:
6.1.b. Is the Sponsor aware of possible registration activity related to this project?:

7.1 Are there other standards or projects with a similar scope?: No
7.2 Joint Development
Is it the intent to develop this document jointly with another organization?: Yes
Organization: IEC
Technical Committee Name: Industrial networks
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8.1 Additional Explanatory Notes: