

P60802

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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 Profile 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

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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: 01/2022

4.3 Projected Completion Date for Submittal to RevCom

Note: Usual minimum time between initial sponsor ballot and submission to Revcom is 6 months.: 10/2022

5.1 Approximate number of people expected to be actively involved in the development of this project: 40

5.2 Scope: This standard 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.

5.3 Is the completion of this standard dependent upon the completion of another standard: Yes

If yes please explain: IEEE P802.1AS-Rev: This standard will use time synchronization being specified by P802.1AS-Rev.

5.4 Purpose: This document will not include a purpose clause.

5.5 Need for the Project: IEEE 802 standards address a very wide range of networking scenarios. Users and vendors of interoperable bridged time-sensitive networks for industrial automation need guidelines for the selection and the use of IEEE 802 standards and features in order to be able to deploy converged networks to simultaneously support operations technology traffic and other traffic.

5.6 Stakeholders for the Standard: Developers, providers, vendors, and users of networking services and components for industrial automation equipment. These components may include bridges, end stations, network interface cards, and integrated circuits.

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permissions needed for this project?: No

6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

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

Technical Committee Number: SC65C

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8.1 Additional Explanatory Notes: #5.3 IEEE P802.AS-Rev Timing and Synchronization for Time-Sensitive Applications