

P60802

This PAR is valid until 31-Dec-2022.

PAR Extension Request Date:

PAR Extension Approval Date:

Number of Previous Extensions Requested: 0

1. Number of years that the extension is being requested: 2

2. Why an Extension is Required (include actions to complete): The progress of IEC/IEEE 60802 has been delayed because consensus building took longer than expected. One reason for that is the high interest in the project even from application areas beyond industrial automation. The high interest results in a large number of comments, which implies that comment resolution takes longer than anticipated. Furthermore, analysis and development of complex topics, such as time synchronization is taking longer than expected. In addition, handling gaps identified in base IEEE 802 standards and aligning the processes of IEEE SA, IEEE 802, and IEC is time consuming. Actions to complete include concluding another Task Group ballot in mid-2022, and then conducting Working Group ballot in 2022 Q3 followed by Standards Association ballot mid-2023.

3.1. What date did you begin writing the first draft: 25 Jul 2018

3.2. How many people are actively working on the project:40

3.3. How many times a year does the working group meet?

In person: 6

Via teleconference: 50

3.4. How many times a year is a draft circulated to the working group: 2

3.5. What percentage of the Draft is stable: 75%

3.6. How many significant work revisions has the Draft been through: 4

4. When will/did initial Standards Association Balloting begin: Feb 2023

When do you expect to submit the proposed standard to RevCom: Jan 2024

Has this document already been adopted by another source? (if so please identify) No

For an extension request, the information on the original PAR below is not open to modification.

Type of Project: New IEEE Standard

Project Request Type: Initiation / New

PAR Request Date: 20 Mar 2018

PAR Approval Date: 14 May 2018

PAR Expiration Date: 31 Dec 2022

PAR Status: Active

1.1 Project Number: P60802

1.2 Type of Document: Standard

1.3 Life Cycle: Full Use

2.1 Project Title: Time-Sensitive Networking Profile for Industrial Automation

3.1 Working Group: Higher Layer LAN Protocols Working Group(C/LM/802.1 WG)

3.1.1 Contact Information for Working Group Chair:

Name: Glenn Parsons

Email Address: glenn.parsons@ericsson.com

3.1.2 Contact Information for Working Group Vice Chair:

Name: Jessy Rouyer

Email Address: jessy.rouyer@nokia.com

3.2 Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee(C/LM)

3.2.1 Contact Information for Standards Committee Chair:

Name: Paul Nikolich

Email Address: p.nikolich@ieee.org

3.2.2 Contact Information for Standards Committee Vice Chair:

Name: James Gilb

Email Address: gilb@ieee.org

3.2.3 Contact Information for Standards Representative:

Name: James Gilb
Email Address: gilb@ieee.org

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot:
Jan 2022

4.3 Projected Completion Date for Submittal to RevCom: Oct 2022

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

5.2 Scope of proposed standard: 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 contingent upon the completion of another standard? Yes

Explanation: IEEE P802.1AS-Rev: This standard will use time synchronization being specified by IEEE 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.

6.1 Intellectual Property

6.1.1 Is the Standards Committee aware of any copyright permissions needed for this project?

No

6.1.2 Is the Standards Committee 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 Is it the intent to develop this document jointly with another organization? Yes

7.2.1 Organization: IEC

Technical Committee Name: Industrial networks

Technical Committee Number: SC65C

8.1 Additional Explanatory Notes: #5.3 IEEE P802.1AS-Rev Draft Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications