P60802

Type of Project: New IEEE Standard
Project Request Type: Modify / New
PAR Request Date:
PAR Approval Date:
PAR Expiration Date:
PAR Status: Draft
Root PAR: P60802
Root PAR Approved on: 14 May 2018

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
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4.1 Type of Ballot: Individual
4.2 Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot: Jan 2023
Change to Expected Date of submission of draft to the IEEE SA for Initial Standards Committee Ballot: Jan ~~2022~~ 2023
4.3 Projected Completion Date for Submittal to RevCom: Jan 2024
Change to Projected Completion Date for Submittal to RevCom: ~~Oct~~ Jan ~~2022~~ 2024

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. The profiles also defines a read-only YANG module for online and offline digital data sheets.
Change to 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. The profiles also defines a read-only YANG module for online and offline digital data sheets.

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: #5.2 While 'YANG' (developed by the Internet Engineering Task Force) appears to be an acronym, its expansion 'Yet Another Next Generation' is not meaningful.
#5.3 IEEE P802.1AS-Rev Draft Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications

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