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**P802.1AS-2020/Cor 1**

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**Submitter Email:****Type of Project:** Corrigendum to IEEE Standard 802.1AS-2020**Project Request Type:** Initiation / Corrigendum**PAR Request Date:****PAR Approval Date:****PAR Expiration Date:****PAR Status:** Draft**Root Project:** 802.1AS-2020

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**1.1 Project Number:** P802.1AS-2020/Cor 1**1.2 Type of Document:** Standard**1.3 Life Cycle:** Full Use

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**2.1 Project Title:** IEEE Standard for Local and Metropolitan Area Networks--Timing and Synchronization for Time-Sensitive Applications - Corrigendum 1: Technical and Editorial Corrections

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**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

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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:** Dec 2021**4.3 Projected Completion Date for Submittal to RevCom:** Dec 2022

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 30**5.2.a Scope of the complete standard:** This standard specifies protocols, procedures, and managed objects used to ensure that the synchronization requirements are met for time-sensitive applications, such as audio, video, and time-sensitive control, across networks, for example, IEEE 802 and similar media. This includes the maintenance of synchronized time during normal operation and following addition, removal, or failure of network components and network reconfiguration. It specifies the use of IEEE 1588(TM) specifications where applicable in the context of IEEE Std 802.1Q(TM)-2018.1 Synchronization to an externally provided timing signal [e.g., a recognized timing standard such as Coordinated Universal Time (UTC) or International Atomic Time (TAI)] is not part of this standard but is not precluded.**5.2.b Scope of proposed changes:** Correction of technical and editorial errors identified by the IEEE 802.1 maintenance activity, documented at <http://www.ieee802.org/1/maint.html>. No new functionality will be defined.**5.3 Is the completion of this standard contingent upon the completion of another standard?** No**5.4 Purpose:** This standard enables systems to meet the respective jitter, wander, and time-synchronization requirements for time-sensitive applications, including those that involve multiple streams delivered to multiple end stations. To facilitate the widespread use of packet networks for these applications, synchronization information is one of the components needed at each network element where time-sensitive

application data are mapped or demapped or a time-sensitive function is performed. This standard leverages the work of the IEEE 1588 Working Group by developing the additional specifications needed to address these requirements.

**5.5 Need for the Project:** The IEEE 802.1 maintenance activity has identified a small number of corrections to the base text that are needed in order to correct technical and/or editorial errors in the existing text. The errors could cause incorrect behavior by implementations. The corrigendum will correct these errors.

**5.6 Stakeholders for the Standard:** Developers, manufacturers, distributors, or users of time-sensitive applications, components, and equipment.

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## **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

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**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?** No

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## **8.1 Additional Explanatory Notes : #5.2:**

IEEE Std 802.1Q-2018 - IEEE Standard for Local and metropolitan area networks -- Bridges and Bridged Networks

IEEE Std 1588-2020 - IEEE Standard for a Precision Clock Synchronization Protocol for Network Measurement and Control Systems