P802.1CB-2017/Cor 1

Type of Project: Corrigendum to IEEE Standard 802.1CB-2017
Project Request Type: Initiation / Corrigendum
PAR Request Date:
PAR Approval Date:
PAR Expiration Date:
PAR Status: Draft
Root Project: 802.1CB-2017

1.1 Project Number: P802.1CB-2017/Cor 1
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Project Title: IEEE Standard for Local and metropolitan area networks--Frame Replication and Elimination for Reliability - Corrigendum 1

3.1 Working Group: Higher Layer LAN Protocols Working Group(C/LAN/MAN/802.1 WG)
    3.1.1 Contact Information for Working Group Chair:
    Name: Glenn Parsons
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    3.1.2 Contact Information for Working Group Vice Chair:
    Name: Jessy Rouyer
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3.2 Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee(C/LAN/MAN)
    3.2.1 Contact Information for Standards Committee Chair:
    Name: Paul Nikolich
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    3.2.2 Contact Information for Standards Committee Vice 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 Standards Committee Ballot:
Mar 2024
4.3 Projected Completion Date for Submittal to RevCom: Oct 2024

5.1 Approximate number of people expected to be actively involved in the development of this project: 15
5.2.a Scope of the complete standard: This standard specifies procedures, managed objects, and protocols for bridges and end systems that provide identification and replication of packets for redundant transmission, identification of duplicate packets, and elimination of duplicate packets. It is not concerned with the creation of the multiple paths over which the duplicates are transmitted.
5.2.b Scope of proposed changes: Correction of technical and editorial errors identified and agreed by the IEEE 802.1 Working Group maintenance activity comprising: https://www.802-1.org/items/431, https://www.802-1.org/items/451, https://www.802-1.org/items/456, and https://www.802-1.org/items/471. The management module changes needed are applicable in the context of IEEE Std 802.1CBcv(TM)-2021.

5.3 Is the completion of this standard contingent upon the completion of another standard? No
5.4 Purpose: This document will not include a purpose clause.
5.5 Need for the Project: The IEEE 802.1 maintenance activity has identified a small number of corrections to the base text and the management modules 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, 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.

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? Yes
Explanation: IEC 62439-3 defines high-availability mechanisms in automation networks, but it is restricted to ring topologies, whereas this amendment will work on all LAN topologies.
7.2 Is it the intent to develop this document jointly with another organization? No

8.1 Additional Explanatory Notes: #5.2.b: IEEE Std 802.1CBcv-2021 - IEEE Standard for Local and metropolitan area networks - Frame Replication and Elimination for Reliability Amendment 1: Information Model, YANG Data Model, and Management Information Base Module.
#7.1: IEC 62439-3:2021 - Industrial communication networks - High availability automation networks - Part 3: Parallel Redundancy Protocol (PRP) and High-availability Seamless Redundancy (HSR).