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AMENDMENT 1
2023-02

Information technology — Telecommunications and information exchange between systems — Local and metropolitan area networks — Specific requirements —

Part 1CB: Frame replication and elimination for reliability

AMENDMENT 1: Information model, YANG data model, and management information base module

Technologies de l'information — Télécommunications et échange d'information entre systèmes — Réseaux locaux et métropolitains — Exigences spécifiques —

Partie 1CB: Duplication de trame et son élimination pour la fiabilité

AMENDEMENT 1: Modèle d'information, modèle de données YANG et module de base d'informations de gestion

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IEEE Std 802.1CBcv™-2021
(Amendment to IEEE Std 802.1CB™-2017)

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

Developed by the
LAN/MAN Standards Committee
of the
IEEE Computer Society

Approved 8 December 2021
IEEE SA Standards Board

Abstract: This amendment specifies YANG data models and MIB modules that allow configuration and status reporting for bridges and end systems with the capabilities for Frame Replication and Elimination for Reliability (FRER) and Stream identification.

Keywords: Bridged Local Area Networks, Bridges, Bridging, Frame Elimination, Frame Replication, IEEE 802®, IEEE 802.1CB™, IEEE 802.1Q™, local area networks (LANs), MAC Bridges, Redundancy, Time-Sensitive Networking, TSN, Virtual Bridged Local Area Networks (virtual LANs)

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Introduction

This introduction is not part of 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.

This Standard defines an Information Model, a YANG Data Model, and a Management Information Base Module.

This standard contains state-of-the-art material. The area covered by this standard is undergoing evolution. Revisions are anticipated within the next few years to clarify existing material, to correct possible errors, and to incorporate new related material. Information on the current revision state of this and other IEEE 802 standards can be obtained from

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