International Standard

ISO/IEC/IEEE 8802-1Q

# Telecommunications and exchange between information technology systems — Requirements for local and metropolitan area networks —

## Part 1Q: Bridges and bridged networks

## AMENDMENT 39: YANG data models for the credit-based shaper

*Télécommunications et échange entre systèmes informatiques — Exigences pour les réseaux locaux et métropolitains —*

*Partie 1Q: Ponts et réseaux pontés*

*AMENDMENT 39: Modèles de données YANG pour régulateur à base de crédits*

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**IEEE Std 802.1Qdx™-2024**
(Amendment to IEEE Std 802.1Q™-2022
as amended by IEEE Std 802.1Qcz™-2023,
IEEE Std 802.1Qcw™-2023,
IEEE Std 802.1Qcj™-2023,
and IEEE Std 802.1Qdj™-2024)

# IEEE Standard for Local and Metropolitan Area Networks—

# Bridges and Bridged Networks

# Amendment 39: YANG Data Models for the Credit-Based Shaper



Developed by the

**LAN/MAN Standards Committee**
of the
**IEEE Computer Society**

Approved 6 June 2024

**IEEE SA Standards Board**

**Abstract:** A YANG data model that supports configuration and status reporting for credit-based shaper algorithm capabilities in Bridges and end stations is specified in this amendment to IEEE Std 802.1Q-2022 as amended by IEEE Std 802.1Qcz-2023, IEEE Std 802.1Qcw-2023, IEEE Std 802.1Qcj-2023, and IEEE Std 802.1Qdj-2024.

**Keywords:** amendment, Bridged Network, credit-based shaper algorithm, IEEE 802.1Q™, IEEE 802.1Qdx™, LAN, local area network, MAC Bridge, metropolitan area network, YANG



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