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AMENDMENT 1

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

**Part 1AB:
Station and media access control
connectivity discovery**

AMENDMENT 1: YANG data model

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

*Partie 1AB: Découverte de connectivité des stations et du contrôle
d'accès aux supports*

AMENDEMENT 1

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IEEE Std 802.1ABcu™-2021
(Amendment to IEEE Std 802.1AB™-2016)

**IEEE Standard for
Local and metropolitan area networks—**

**Station and Media Access Control
Connectivity Discovery**

Amendment 1: YANG Data Model

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of the

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Approved 8 December 2021

IEEE SA Standards Board

ISO/IEC/IEEE 8802-1AB:2017/Amd.1:2023(E)

Abstract: This amendment to IEEE Std 802.1AB-2016 specifies a Unified Modeling Language (UML)-based information model and a YANG data model that allows configuration and status reporting for bridges and bridge components with regards to topology discovery.

Keywords: Bridged Local Area Networks, IEEE 802[®], IEEE 802.1AB[™], IEEE 802.1ABcu[™], local area networks (LANs), MAC Bridges, metropolitan area networks, YANG

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Introduction

This introduction is not part of IEEE Std 802.1ABcu-2021, IEEE Standard for Local and metropolitan area networks—Station and Media Access Control Connectivity Discovery—Amendment 1: YANG Data Model.

The scope of this standard is to define a protocol and management elements, suitable for advertising information to stations attached to the same IEEE 802 LAN, for the purpose of populating physical topology and device discovery management information databases. The protocol facilitates the identification of stations connected by IEEE 802 LANs/MANs, their points of interconnection, and access points for management protocols.

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 may be obtained from

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IEEE Standard for Local and metropolitan area networks—

Station and Media Access Control Connectivity Discovery

Amendment 1: YANG Data Model

(This amendment is based on IEEE Std 802.1AB™-2016.)

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