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Standard

**ISO/IEC/IEEE
8802-1AS**

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

**Part 1AS:
Timing and synchronization for
time-sensitive applications in
bridged local area networks**

AMENDMENT 2: YANG data model

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

*Partie 1AS: Temporisation et synchronisation pour les
applications sensibles au temps des réseaux locaux pontés*

AMENDEMENT 2: Modèle de données YANG

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(Amendment to IEEE Std 802.1AS™-2020
as amended by IEEE Std 802.1AS™-2020/Cor 1-2021
and IEEE Std 802.1ASdr™-2024)

**IEEE Standard for
Local and Metropolitan Area Networks—**

**Timing and Synchronization for
Time-Sensitive Applications**

Amendment 2: YANG Data Model

Sample Document

Developed by the

LAN/MAN Standards Committee
of the
IEEE Computer Society

Approved 26 September 2024

IEEE SA Standards Board

Abstract: A YANG data model that allows configuration and state reporting for all managed objects of the base standard is specified in this amendment.

Keywords: amendment, data model, IEEE 802.1AS™, IEEE 802.1ASdn™, managed objects, network management, synchronization, syntonization, time-aware system, YANG

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Introduction

This introduction is not part of IEEE Std 802.1ASdn-2024, IEEE Standard for Local and Metropolitan Area Networks—Timing and Synchronization for Time-Sensitive Applications—Amendment 2: YANG Data Model.

The first edition of IEEE Std 802.1AS was published in 2011. A first corrigendum, IEEE Std 802.1ASTM-2011/Cor 1-2013, provided technical and editorial corrections. A second corrigendum, IEEE Std 802.1ASTM-2011/Cor 2-2015 provided additional technical and editorial corrections.

The second edition, IEEE Std 802.1AS-2020, added support for multiple gPTP domains, Common Mean Link Delay Service, external port configuration, and Fine Timing Measurement for IEEE 802.11 transport. Backward compatibility with IEEE Std 802.1AS-2011 was maintained. The corrigendum, IEEE 802.1AS-2020/Cor 1-2021, provides technical and editorial corrections. The amendment, IEEE Std 802.1ASdr-2024, changed non-inclusive terms, replacing them with suitable and inclusive terminology wherever possible.

This amendment to IEEE Std 802.1AS-2020 specifies a YANG data model that allows configuration and state reporting for all managed objects of the base standard.

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