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TECHNICAL CORRIGENDUM 1

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

Part 1AE:
Media access control (MAC) security

TECHNICAL CORRIGENDUM 1: Tag control information figure

Technologies de l'information — Télécommunications et échange entre systèmes informatiques — Exigences pour les réseaux locaux et métropolitains —

Partie 1AE: Sécurité du contrôle d'accès aux supports (MAC)

RECTIFICATIF TECHNIQUE 1

Technical Corrigendum 1 to ISO/IEC/IEEE 8802-1AE:2020/Cor 1 was prepared by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6, *Telecommunications and information exchange between systems,* in collaboration with IEEE. The identical text is published as IEEE Std 802.1AE-2018/Cor 1-2020.

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ISO/IEC/IEEE 8802-1AE:2020/Cor 1 was prepared by the LAN/MAN of the IEEE Computer Society (as IEEE Std 802.1AE-2018/Cor 1-2020) and drafted in accordance with its editorial rules. It was adopted, under the “fast-track procedure” defined in the Partner Standards Development Organization cooperation agreement between ISO and IEEE, by Joint Technical Committee ISO/IEC JTC 1, *Information technology*, Subcommittee SC 6, *Telecommunications and information exchange between systems*.

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This corrected version of ISO/IEC/IEEE 8802-1AE:2020/Cor 1 incorporates the following corrections:

— The ISO/IEC/IEEE cover page was added;

— The ISO/IEC/IEEE Foreword was added;

— Pages 1, 2 and 14 were deleted.

Abstract: How all or part of a network can be secured transparently to peer protocol entities that use the MAC Service provided by IEEE 802® LANs to communicate is specified in this standard. MAC security (MACsec) provides connectionless user data confidentiality, data frame integrity, and data origin authenticity.

Keywords: authorized port, confidentiality, corrigendum, data origin authenticity, IEEE 802.1AE™, integrity, LANs, local area networks, MAC Bridges, MAC security, MAC Service, MANs, metropolitan area networks, port-based network access control, secure association, security, transparent bridging

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Introduction

This introduction is not part of IEEE Std 802.1AE-2018/Cor 1-2020, IEEE Standard for Local and metropolitan area networks—Media Access Control (MAC) Security—Corrigendum 1: Tag Control Information Figure.

This corrigendum to IEEE Std 802.1AE-2018 replaces Figure 9-4 with the Figure 9-4 from IEEE Std 802.1AE-2006. (In developing the 2018 version of this standard, the figure was inadvertently replaced with a figure from an early draft of the 2006 version.)

Contents

Figures

IEEE Standard for Local and metropolitan area networks—

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Corrigendum 1: Tag Control Information Figure

NOTE—The editing instructions contained in this amendment define how to merge the material contained therein into the existing base standard and its amendments to form the comprehensive standard.

The editing instructions are shown in ***bold italic***. Four editing instructions are used: change, delete, insert, and replace. ***Change*** is used to make corrections in existing text or tables. The editing instruction specifies the location of the change and describes what is being changed by using ~~strikethrough~~ (to remove old material) and underscore (to add new material). ***Delete*** removes existing material. ***Insert*** adds new material without disturbing the existing material. Deletions and insertions may require renumbering. If so, renumbering instructions are given in the editing instruction. ***Replace*** is used to make changes in figures or equations by removing the existing figure or equation and replacing it with a new one. Editing instructions, change markings, and this NOTE will not be carried over into future editions because the changes will be incorporated into the base standard.[1]

[1]Notes in text, tables, and figures are given for information only and do not contain requirements needed to implement the standard.

9. Encoding of MACsec Protocol Data Units

9.5 TAG Control Information (TCI)

Replace Figure 9-4 with the following figure:

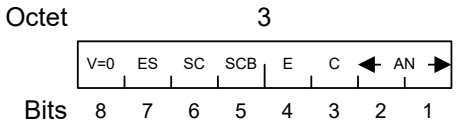

Figure 9-4—MACsec TCI and AN Encoding