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STANDARD

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AMENDMENT 2
2019-02

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

Part A:

Overview and architecture

**AMENDMENT 2: Local medium access
control (MAC) address usage**

[ISO/IEC/IEEE 8802-A:2015/Amd.2:2019](https://standards.iso.org/iso/8802-A:2015/Amd.2:2019)

[Technologies de l'information — Télécommunications et échange
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Partie A: Présentation et architecture

*AMENDEMENT 2: Utilisation de l'adresse de commande d'accès au
support (MAC) locale*



Reference number
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Website: www.iso.org

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Institute of Electrical and Electronics Engineers, Inc
3 Park Avenue, New York
NY 10016-5997, USA

Email: stds.ipr@ieee.org
Website: www.ieee.org

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IEEE Std 802c™-2017
(Amendment to
IEEE Std 802®-2014
as amended by IEEE Std 802d™-2017)

IEEE Standard for Local and Metropolitan Area Networks: Overview and Architecture

Amendment 2: Local Medium Access Control (MAC) Address Usage

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Approved 15 June 2017

IEEE-SA Standards Board

Abstract: An optional local medium access control (MAC) address space structure, known as the Structured Local Address Plan (SLAP), is provided in this amendment to IEEE Std 802®-2014 in order to allow multiple administrations to coexist. This structure designates a range of local MAC addresses for protocols using a Company ID (CID) assigned by the IEEE Registration Authority. Another range of local MAC addresses is designated for assignment by administrators. The amendment recommends a range of local MAC addresses for use by IEEE 802® protocols.

Keywords: AAI, Administratively Assigned Identifier, CID, Company ID, ELI, Extended Local Identifier, global address, IEEE 802®, IEEE Registration Authority, local address, MAC, medium access control, SAI, SLAP, Standard Assigned Identifier, Structured Local Address Plan

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Introduction

This introduction is not part of IEEE Std 802c-2017, IEEE Standard for Local and Metropolitan Area Networks: Overview and Architecture—Amendment 2: Local Medium Access Control (MAC) Address Usage.

This amendment to IEEE Std 802-2014 provides an optional local medium access control (MAC) address space structure, known as the Structured Local Address Plan (SLAP), to allow multiple administrations to coexist. This structure designates a range of local MAC addresses for protocols using a Company ID (CID) assigned by the IEEE Registration Authority (RA). Another range of local MAC addresses is designated for assignment by administrators. The amendment recommends a range of local MAC addresses for use by IEEE 802[®] protocols. It also corrects minor errors, ambiguities, omissions, and inconsistencies, including clarifying the use of CID in protocol identifiers.

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