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**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**

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

Partie A: Présentation et architecture

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



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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

Sponsor

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

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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