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Part 1: Networking architecture

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Foreword

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Telecommunications and information exchange between systems — Wireless LAN access control —

Part 1: Networking architecture

1 Scope

This document specifies a cloud AC based wireless local area network (WLAN) networking architecture, defines the cloud access controller dispatch platform (CADP) operating mechanism and the interaction between the network elements such as CADPs, access points (APs), cloud access controllers (ACs) and the WLAN network management system (NMS), and specifies the main functional requirements of each network element.

This document applies to public WLAN networking scenarios.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO/IEC/IEEE 8802-11, *Telecommunications and information exchange between systems — Specific requirements for local and metropolitan area networks — Part 11: Wireless LAN medium access control (MAC) and physical layer (PHY) specifications*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO/IEC/IEEE 8802-11 and the following apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1
access controller
AC
network entity that provides AP access to the network infrastructure in the data plane, control plane, management plane, or a combination therein

[SOURCE: IETF RFC 5415:2009, 1.4, modified — "wireless termination point" has been replaced with "access point".]

3.2
cloud access controller
cloud AC
access controller entity deployed in the core network, which is coordinated and implemented by *cloud access controller dispatch platform* (3.5) for control and management of specific access points

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