

**IEEE Standard for
Local and metropolitan area networks—**

**Part 21: Media Independent Handover
Services**

Amendment 3: Optimized Single Radio Handovers

IEEE Computer Society

Sponsored by the
LAN/MAN Standards Committee

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(Amendment to
IEEE Std 802.21™-2008
as amended by IEEE Std 802.21a™-2012,
and IEEE Std 802.21b™-2012)

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Abstract: Additional IEEE 802® media access independent mechanisms that optimize handovers between possibly heterogeneous IEEE 802 systems and between IEEE 802 systems and cellular systems to enable improved handover performance for single-radio devices are specified in this standard.

Keywords: IEEE 802®, IEEE 802.21™, IEEE 802.21c™, management, media independent handover, mobile node, mobility, seamless, point of attachment, point of service, preregistration, proactive authentication, single-radio

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Introduction

This introduction is not part of IEEE Std 802.21c™-2014, IEEE Standard for Local and Metropolitan Area Networks—Part 21: Media Independent Handover Services—Amendment 3: Optimized Single Radio Handovers.

This standard extends the media access independent mechanisms that enable the optimization of handovers between possibly heterogeneous IEEE 802® systems and may facilitate handovers between IEEE 802 systems and cellular systems. The extensions enable mobile devices with single-radio designs to improve handover latencies and avoid packet loss.

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