

# IEEE Standard for Local and metropolitan area networks—

## Part 21: Media Independent Handover Services

### Amendment 4: Multicast Group Management

IEEE Computer Society

Sponsored by the  
LAN/MAN Standards Committee

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New York, NY 10016-5997  
USA

**IEEE Std 802.21d™-2015**  
(Amendment to  
IEEE Std 802.21™-2008  
as amended by IEEE Std 802.21a™-2012,  
IEEE Std 802.21b™-2012,  
and IEEE Std 802.21c™-2014)



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**Part 21: Media Independent Handover  
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IEEE Computer Society**

Approved 11 June 2015

**IEEE-SA Standards Board**

**Abstract:** Mechanisms to enable multicast group management for MIH services is specified in this standard. The specification defines management primitives and messages that enable a user to join, leave or update group membership and security mechanisms to protect multicast communication.

**Keywords:** group, group management, group security, IEEE 802®, IEEE 802.21™, IEEE 802.21d™, multicast

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## Introduction

This introduction is not part of IEEE Std 802.21d™-2015, IEEE Standard for Local Metropolitan Area Networks–Part 21: Media Independent Handover Services–Amendment 4: Multicast Group Management.

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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