
The PAR Copyright Release and [Signature Page](#) must be submitted by FAX to +1-732-875-0695 to the [NesCom Administrator](#).

If you have any questions, please contact the NesCom Administrator.

Once you approve and submit the following information, changes may only be made through the NesCom Administrator.

Submittal Email: sdas@appcomsci.com
Type of Project: Amendment to Standard 802.21-2008
1.1 Project Number: P802.21d
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use
1.4 Is this project in ballot now? No
2.1 Title of Standard: Standard for Local and Metropolitan Area Networks: IEEE Media Independent Handover Services – Amendment: Multicast Group Management
3.1 Name of Working Group: Media Independent Handover Working Group (C/LM/WG 802.21)
Contact information for Working Group Chair Name: Subir Das Email Address: sdas@appcomsci.com Phone: 732-699-2483
Working Group Vice Chair Name: Juan Carlos Zuniga Email Address: JuanCarlos.Zuniga@InterDigital.com Phone: 514-904-6251
3.2 Sponsoring Society and Committee: IEEE Computer Society/Local and Metropolitan Area Networks (C/LM) Contact information for Sponsor Chair: Name: Paul Nikolich Email Address: p.nikolich@ieee.org Phone: 857-205-0050 Contact information for Standards Representative: None
4.1 Type of Ballot: Individual
4.2 Expected Date of Submission for Initial Sponsor Ballot: 2014-08
4.3 Projected Completion Date for Submittal to RevCom: 2014-11
5.1 Approximate number of people expected to work on this project: 20
5.2 Scope of Proposed Standard: To add support of multicast group management features.
5.3 Is the completion of this standard dependent upon the completion of another standard: No

If yes, please explain:

5.4 Purpose of Proposed Standard:

The current standard only supports unicast commands which are inefficient when a group of users needs to be supported simultaneously. This standard will add support of multicast group management which will significantly improve the handover experience for a group of users across multiple access networks. In addition, this standard will also support handover of users from one group to another in the same access network. This standard will also define mechanisms for secure multicast MIH (Media-Independent Handover) protocol exchange.

5.5 Need for the Project:

There are several handover scenarios where a large group of terminals need to perform a handover as a group. An example scenario is IEEE 802.15.4 mesh networks in which a group of mesh nodes requires handover from one segment of a network to another in the same or a different network for failover and restoration purposes. This amendment is necessary in order to support such scenarios.

5.6 Stakeholders for the Standard: Semiconductor manufacturers, network equipment manufacturers, mobile and wireless device manufacturers and network operators.

Intellectual Property

6.1.a. Is the Sponsor aware of any copyright permission needed for this project? No

If yes, please explain:

6.1.b. Is the Sponsor aware of possible registration activity related to this project? No

If yes, please explain:

7.1 Are there other standards or projects with a similar scope? No

If yes, please explain:

and answer the following:

7.2 International Standards Activities

a. Adoptions

Is there potential for this standard to be adopted by another organization? No

Organization:

Technical Committee Name:

Technical Committee Number:

Contact person Name:

Contact Phone:

Contact Email:

b. Joint Development

Is it the intent to develop this document jointly with another organization? No

Organization:

Technical Committee Name:

Technical Committee Number:

Contact person Name:

Contact Phone:

Contact Email:

c. Harmonization

Are you aware of another organization that may be interested in portions of this document in their standardization development efforts? No

Organization:

Technical Committee Name:

Technical Committee Number:

Contact person Name:

Contact Phone:

Contact Email:

8.1 Additional Explanatory Notes: (Item Number and Explanation)
