**The PAR Copyright Release and** [**Signature Page**](http://standards.ieee.org/guides/par/parsig.rtf) **must be submitted by FAX to +1-732-875-0695 to the** [**NesCom Administrator**](http://standards.ieee.org/people/staff.html#hampton)**.**  
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:** 2014-03 |
| **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 in Media-Independent Handover (MIH) framework for management of multicast groups. |

|  |
| --- |
| **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 purpose of this standard is to enable the handover for a group of users across the same or multiple access networks. Additionally, this standard will define mechanisms to secure multicast MIH protocol exchanges. |

|  |
| --- |
| **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 Std. 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. The failover can occur, for example, when a concentrator/gateway node loses its connectivity to its backbone network. In such a scenario, the mesh nodes under the concentrator/gateway node need to be handed over from one segment to another. Other examples are downlink-only technologies such as Digital Video Broadcasting (DVB) and Terrestrial Digital Multimedia Broadcasting (T-DMB) where a specific group of users need to be handed over from one network to another. This amendment is necessary in order to support such scenarios since the current standard only supports unicast commands which are inefficient when a group of users needs to be supported simultaneously. |
| **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)** |