P802.21m

Submitter Email: sdas@appcomsci.com
Type of Project: Revision to IEEE Standard 802.21-2008
PAR Request Date: 11-Jul-2012
PAR Approval Date:
PAR Expiration Date:
Status: Unapproved PAR, PAR for a Revision to an existing IEEE Standard

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1.1 Project Number: P802.21m
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Local and metropolitan area networks -- Part 21: Media Independent Services: Handover Services

Changes in title: ~~IEEE~~ Standard for Local and metropolitan area networks -- Part 21: Media Independent Services: Handover Services

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3.1 Working Group: Media Independent Handoff Working Group (C/LM/WG802.21)
Contact Information for Working Group Chair
  Name: Subir Das
  Email Address: sdas@appcomsci.com
  Phone: 732 699 2483
Contact Information for Working Group Vice-Chair
None

3.2 Sponsoring Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee (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 of draft to the IEEE-SA for Initial Sponsor Ballot: 11/2013
4.3 Projected Completion Date for Submittal to RevCom: 10/2014

5.1 Approximate number of people expected to be actively involved in the development of this project: 25

5.2 Scope: This standard defines extensible IEEE 802(R) media access independent mechanisms that enable the optimization of handover between heterogeneous IEEE 802 networks and facilitates handover between IEEE 802 networks and cellular networks.

Changes in scope: This standard defines extensible IEEE ~~802®~~ 802(R) media access independent mechanisms that enable the optimization of handover between heterogeneous IEEE 802 networks and facilitates handover between IEEE 802 networks and cellular networks.

5.3 Is the completion of this standard dependent upon the completion of another standard: Yes
If yes please explain: Completion is co-contingent on the IEEE Std 802.21.1 project submitted at the same time. In that project, the media indepedent information service will be split from IEEE Std 802.21.

5.4 Purpose: The purpose is to improve the user experience of mobile devices by facilitating handover between IEEE 802 networks whether or not they are of different media types, including both wired and wireless, where handover is not otherwise defined; and to make it possible for mobile devices to perform seamless handover where the network environment supports it. These mechanisms are also usable for handovers between IEEE 802 networks and non IEEE 802 networks.

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5.5 Need for the Project: IEEE Std 802.21 -2008 will need to have a revision initiated by the end of 2012 to allow consideration of future ammendments per standards board policies. It is expected that this revision will include the merge of IEEE Std 802.21a-2012, IEEE Std802.21b-2012, IEEE Std 802.21c-201x and IEEE Std 802.21d-201x and allow to split the media indepedent information services to 802.21.1 that is proposed as a new project.

5.6 Stakeholders for the Standard: Mobility and handover are two important aspects in today's ubiquitous networking. It has a pervasive set of stakeholders that includes 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 permissions needed for this project?: No
6.1.b. Is the Sponsor aware of possible registration activity related to this project?: No

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7.1 Are there other standards or projects with a similar scope?: No
7.2 Joint Development
   Is it the intent to develop this document jointly with another organization?: No

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8.1 Additional Explanatory Notes (Item Number and Explanation):