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 Framework

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

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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
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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 an extensible IEEE 802(R) media access independent services framework that enables the optimization of handover and other services (e.g., discovery) between heterogeneous IEEE 802 networks. It also facilitates these services when networking between IEEE 802 networks and cellular networks.

Changes in scope: This standard defines an extensible IEEE ~~802®~~802(R) media access independent ~~mechanisms~~services framework that ~~enable~~enables the optimization of handover and other services (e.g., discovery) between heterogeneous IEEE 802 networks. ~~and~~It also facilitates ~~handover~~these services when networking 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 independent services will be split from IEEE Std 802.21-2008.

5.4 Purpose: The purpose of this framework is to improve the user experience of mobile devices by providing the necessary services to facilitate interworking between IEEE 802 networks. This framework is also applicable for interworking between IEEE 802 networks and non IEEE 802 networks (e.g., Cellular networks).

Changes in purpose: The purpose of this framework is to improve the user experience of mobile devices by ~~facilitating~~providing ~~handover~~the ~~between~~necessary ~~IEEE~~services ~~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~~facilitate ~~it~~interworking ~~possible~~between ~~for~~IEEE ~~mobile~~802 ~~devices to perform seamless handover where the network environment supports it~~networks. ~~These~~This ~~mechanisms~~framework ~~are~~is also ~~usable~~applicable for ~~handovers~~interworking between IEEE 802 networks and non IEEE 802 networks (e.g., Cellular networks).

5.5 Need for the Project: IEEE Std 802.21 -2008 needs to have a revision initiated by the end of 2012 to allow consideration of future amendments per standards board policies. It is expected that this revision will include the merge of IEEE Std 802.21a-2012, parts of IEEE Std802.21b-2012, IEEE Std 802.21c-201x and IEEE Std 802.21d-201x and allow to split the media independent services specified in IEEE std 802.21-2008 to 802.21.1.

5.6 Stakeholders for the Standard: Mobility, handover and other services (e.g., discovery) are 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):