P802.21

Submitter Email: sdas@appcomsci.com
Type of Project: Revision to IEEE Standard 802.21-2008
PAR Request Date: 26-Nov-2012
PAR Approval Date: 01-Feb-2013
PAR Expiration Date: 31-Dec-2017
Status: PAR for a Revision to an existing IEEE Standard
Root Project: 802.21-2008

1.1 Project Number: P802.21
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


3.1 Working Group: Media Independent Handoff Working Group (C/LM/WG802.21)
Contact Information for Working Group Chair
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None

3.2 Sponsoring Society and Committee: IEEE Computer Society/LAN/MAN Standards Committee (C/LM)
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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: 03/2014
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 (i.e., function and protocol) 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(R) media access independent mechanisms services framework (i.e., function and protocol) that enables the optimization of handover and other services (e.g., discovery) between heterogeneous IEEE 802 networks. It also facilitates handover 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 standard is to improve the user experience of mobile devices by describing a framework that provides the necessary services to facilitate handover between heterogeneous IEEE 802 networks. This framework is also applicable for interworking between IEEE 802 networks and Cellular networks.

Changes in purpose: The purpose of this standard is to improve the user experience of mobile devices by facilitating describing handover between framework IEEE 802 that networks provide whether the necessary services they are of different media types, including both wired and wireless, where handover is not otherwise defined, and to make facilitate it possible for mobile devices to perform seamless handover where between the heterogeneous network IEEE environment IEEE supports it networks. These mechanisms This framework is also usable applicable for handovers interworking between IEEE 802 networks and...
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

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

8.1 Additional Explanatory Notes (Item Number and Explanation):