

# P802.21.1

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**Submitter Email:** [sdas@appcomsci.com](mailto:sdas@appcomsci.com)

**Type of Project:** New IEEE Standard

**PAR Request Date:** 26-Nov-2012

**PAR Approval Date:** 01-Feb-2013

**PAR Expiration Date:** 31-Dec-2017

**Status:** PAR for a New IEEE Standard

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**1.1 Project Number:** P802.21.1

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Standard for Local and metropolitan area networks

-- Part 21.1: Media Independent Services

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**3.1 Working Group:** Media Independent Handoff Working Group (C/LM/WG802.21)

**Contact Information for Working Group Chair**

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**Contact Information for Working Group Vice-Chair**

None

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**3.2 Sponsoring Society and Committee:** IEEE Computer Society/LAN/MAN Standards Committee (C/LM)

**Contact Information for Sponsor Chair**

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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:** 02/2015

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**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 handover and other services (e.g., discovery) that are used in conjunction with the Media Independent Services Framework as defined in IEEE Std 802.21.

**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 revision project in which the handover services specification will be transferred from IEEE Std 802.21 to IEEE Std 802.21.1.

**5.4 Purpose:** The purpose of this standard is to improve the user experience of mobile devices by describing the necessary services to facilitate interworking between IEEE 802 networks. These services are also applicable for interworking between IEEE 802 networks and non IEEE 802 networks (e.g., cellular networks).

**5.5 Need for the Project:** This project will transfer the Media Independent Services specification (e.g., Information Service, Command Service and Event Service) from IEEE Std 802.21-2008 and its amendments to the new standalone standard IEEE Std 802.21.1. Such a split will result in more practical use of the Standard since not all use cases require all functionalities in std 802.21-2008. It will also expedite the ongoing amendment activities and maintenance of the specification for future use cases. To assure that the media independent handover services remain specified by an IEEE 802 standard, the revision and this new standard are co-contingent. In addition, this will also allow the specification to incorporate new services (e.g., Discovery) for better user experience.

**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.

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**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):** 5.2: IEEE 802.21, "IEEE Standard for Local and metropolitan area networks - Media Independent Handover Services"