P802.21b

Submitter Email: vivekggupta@ieee.org
Type of Project: Amendment to IEEE Standard
PAR Request Date: 18-Nov-2008
PAR Approval Date: 30-Jan-2009
PAR Expiration Date: 31-Dec-2012
Status: PAR for an Amendment to an existing IEEE Standard 802.21-2008
Project Record: 802.21

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

2.1 Title: Standard for Media Independent Handover Services - Amendment: Handovers with Downlink Only Technologies

---

3.1 Working Group: Media Independent Handoff Working Group (C/LM/WG802.21)
Contact Information for Working Group Chair
Name: Vivek Gupta
Email Address: vivekggupta@ieee.org
Phone: 5034732456
Contact Information for Working Group Vice-Chair
Name: Subir Das
Email Address: subir@research.telcordia.com
Phone: 732 699 2483

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 of draft to the IEEE-SA for Initial Sponsor Ballot: 11/2010
4.3 Projected Completion Date for Submittal to RevCom: 11/2011

5.1 Approximate number of people expected to be actively involved in the development of this project: 25
5.2 Scope: This amendment defines mechanisms that enable the optimization of handovers between IEEE 802.21 supported technologies and downlink-only (DO) technologies
5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: The purpose of this standard is to improve user experience by developing mechanisms that facilitate handovers between IEEE 802.21 supported technologies and DO technologies.
5.5 Need for the Project: Downlink-only technologies such as Digital Video Broadcasting (DVB), Terrestrial Digital Multimedia Broadcasting (T-DMB) and Media Forward Link Only (MediaFLOTM) are becoming more widespread in use. There is a need to support optimized handovers between these technologies and other technologies already supported by IEEE 802.21. Currently, there is no standard which specifies such handovers.

IEEE 802.21 defines mechanisms that enable handovers across various technologies such as IEEE 802 and 3GPP/3GPP2. These same mechanisms can be used for handovers with DO technologies. However, this requires enhancements to the IEEE 802.21 specification.

The enhancements may include:
Extensions of IEEE 802.21 primitives and protocol to support handovers with DO technologies.
Definition of Media dependent SAP(s) and corresponding mapping of MIH link layer primitives for DO technologies.
5.6 Stakeholders for the Standard: Semiconductor manufacturers, consumer electronic device manufacturers, operators and service providers delivering entertainment content to mobile users.

Intellectual Property
6.1.a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR prior to the PAR submittal to the IEEE-SA Standards Board?: Yes
If yes, state date: 05-Sep-2008
6.1.b. Is the Sponsor aware of any copyright permissions needed for this project?: No
6.1.c. 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 International Activities
a. Adoption
Is there potential for this standard (in part or in whole) to be adopted by another national, regional or international organization?: No
b. Joint Development
Is it the intent to develop this document jointly with another organization?: No
c. Harmonization
Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: Yes
Organization: DVB Consotium
Technical Committee Name: DVB Module
Technical Committee Number: DVB
Contact Name: Jens Johann
Phone: +49 6151 628 2082
Email:

8.1 Additional Explanatory Notes (Item Number and Explanation):