Jodi Haasz

02/27/2004 09:36 AM

To: p.nikolich@ieee.org
cc: david.johnston@ieee.org
Subject: Approval of P802.21

27 February 2004

Paul Nikolich
18 Bishops Lane
Lynnfield, MA 01940

Re: P802.21 - Media Independent Handover Services

Dear Paul:

I am pleased to inform you that on 27 February 2004 the IEEE-SA Standards Board approved the above referenced project until 31 December 2008. A copy of the file can be found on our website at http://standards.ieee.org/board/nes/projects/802-21.pdf.

Now that your project has been approved, please forward a roster of participants involved in the development of this project. This request is in accordance with the IEEE-SA Operations Manual, Clause 5.1.2i under Duties of the Sponsor which states:

"Submit annually to the IEEE Standards Department an electronic roster of individuals participating on standards projects"

For your convenience, an Excel spreadsheet for your use has been posted on our website at http://standards.ieee.org/guides/par/roster.xls. Please forward this list to me via e-mail at j.haasz@ieee.org no later than 27 May 2004.

Please visit our website, IEEE Standards Development Online (http://standards.ieee.org/resources/development/index.html), for tools, forms and training to assist you in the standards development process. Also, we strongly recommend that a copy of your draft be sent to this office for review prior to the final vote by the working group to allow for a quick review by editorial staff before sponsor balloting begins.

If you should have any further questions, please contact me at 732-562-6367 or by email at j.haasz@ieee.org.

Sincerely,

Jodi Haasz
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Standards Activities
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PAR FORM

PAR Status: New PAR
PAR Approval Date: 2004-02-27
PAR Signature Page on File: Yes

1. Assigned Project Number: 802.21

2. Sponsor Date of Request: 2003-11-17

3. Type of Document: Standard for

4. Title of Document:
  Draft: Media Independent Handover Services

5. Life Cycle: Full-Use

6. Type of Project:
  6a. Is this an update to an existing PAR? No

  6b. The Project is a: New Standard

7. Working Group Information:
  Name of Working Group: 802.21
  Approximate Number of Expected Working Group Members:

8. Contact information for Working Group Chair:
  Name of Working Group Chair: David Johnston
  Telephone: 5036290238   **FAX:**
  Email: david.johnston@ieee.org

9. Contact information for Co-Chair/Official Reporter, Project Editor or Document Custodian if different from the Working Group Chair:
  Name of Co-Chair/Official Reporter, Project Editor or Document Custodian:
  Telephone: FAX:
  Email:

10. Contact information for Sponsoring Society or Standards Coordinating Committee:
  Name of Sponsoring Society and Committee: Computer Society Local and Metropolitan Area Networks
  Name of Sponsoring Committee Chair: Paul Nikolich
  Telephone: 857-205-0050   **FAX:** 781-334-2255
  Email: paul.nikolich@att.net
  Name of Liaison Rep. (if different from the Sponsor Chair): Paul Nikolich
  Telephone: 857-205-0050   **FAX:** 781-334-2255
  Email: paul.nikolich@att.net

  Name of Co-Sponsoring Society and Committee:
  Name of Co-Sponsoring Committee Chair:
  Telephone: FAX:
  Email:
  Name of Liaison Rep. (if different from the Sponsor Chair):
  Telephone: FAX:
  Email:

11. The Type of ballot is: Individual Sponsor Ballot
  Expected Date of Submission for Initial Sponsor Ballot: 2006-11-14

12. Fill in Projected Completion Date for Submittal to RevCom: 2007-05-31

   Explanation for Modified PAR that completion date is being extended past the original four-year life of the PAR:

13. Scope of Proposed Project:
   This standard defines extensible 802 media access independent mechanisms that enable the optimization of handover between heterogeneous 802 systems and may facilitate handover between 802 systems and cellular systems.
   Is the completion of this document contingent upon the completion of another document? No

14. Purpose of Proposed Project:
   The purpose is to improve the user experience of mobile devices by facilitating handover between 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 may also be useable for handovers between 802 networks and non 802 networks.

14a. Reason for the standardization project:

15. Intellectual Property:
   Has the sponsor reviewed the IEEE patent policy with the working group? Yes
   Is the sponsor aware of copyrights relevant to this project? No
   Is the sponsor aware of trademarks relevant to this project? No
   Is the sponsor aware of possible registration of objects or numbers due to this project? Yes

16. Are there other documents or projects with a similar scope? No

   Similar Scope Project Information:

17. Is there potential for this document (in part or in whole) to be adopted by another national , regional or international organization? No
   If yes, please answer the following questions:
   Which International Organization/Committee?
   International Contact
   Information?

18. If the project will result in any health, safety, or environmental guidance that affects or applies to human health or safety, please explain in five sentences or less.

19. Additional Explanatory Notes: (Item Number and Explanation)
   (4) We define handover as the maintenance of sessions and/or service flows while connectivity is moved from one point of attachment to another. (12 &13) The scope and purpose are derived from the need to address the following three problems that were identified during the study group phase: #1 Detection of a useable attachment to a network is impacted by the ambiguous indicators of network attachment in certain 802 MACs. Thus there is a need to develop a standard that allows a mobile terminal to optimize detection of a useable attachment to a network above the LLC. #2 The information necessary to make effective handover decisions is lacking in part because the 802 networks provide insufficient information to the upper layers. Thus there is a need to develop a standard that permits information exchange between mobile terminals and/or networks to enable mobile terminals and/or networks to make more effective handover decisions. #3 There is no standardized mechanism in 802 for information exchange between mobile terminals and network attachment points. This impacts the ability to make informed decisions to select between disparate network attachment points or to initiate handover between heterogeneous network types or between administrative domains

within a single network type. Thus there is a need to develop a standard that permits mobile terminals and network attachment points to access information on which to base effective handover decisions. (14) There is the possibility of requiring a new ethertype to support a protocol to exchange handover related information in a media access independent manner.