

## [Email This Letter](#)

10 November 2005

Elliot Sloane  
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Villanova, PA 19085  
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Re: P1073.3.5 - Health informatics - Point-of-care medical device communication -  
Transport profile - RF wireless - Framework and overview

Dear Elliot:

I am pleased to inform you that on 10 November 2005 the IEEE-SA Standards Board approved the above referenced project until 31 December 2009. A copy of the file can be found on our website at <http://standards.ieee.org/board/nes/projects/1073-3-5.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](mailto:j.haasz@ieee.org) no later than 08 February 2006.

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](mailto:j.haasz@ieee.org).

Sincerely,

Jodi Haasz  
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International Stds Programs and Governance  
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# PAR FORM

**PAR Status:** New PAR

**PAR Approval Date:** 10 November 2005

**PAR Signature Page on File:** Yes

**1. Assigned Project Number:** P1073.3.5

**2. Sponsor Date of Request:** 2005-08-12

**3. Type of Document:** Standard for

**4. Title of Document:**

**Draft:** Health informatics - Point-of-care medical device communication - Transport profile - RF wireless - Framework and overview

**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:** Medical Device Communication General Committee

**Approximate Number of Expected Working Group Members:**5

**8. Contact information for Working Group Chair:**

**Name of Working Group Chair:** Todd H Cooper

**Telephone:** 858-484-8231 **FAX:** 858.538-6256

**Email:** t.cooper@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:** IEEE Engineering in Medicine and Biology Society 1073 Committee

**Name of Sponsoring Committee Chair:** Elliot Sloane

**Telephone:** 610-519-6432 **FAX:** 610-519-5015

**Email:** ebsloane@villanova.edu

**Name of Liaison Rep. (if different from the Sponsor Chair):**

**Telephone:** **FAX:**

**Email:**

**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:** August 2006

**12. Projected Completion Date for Submittal to RevCom:** August 2007

**Target Extension Request Information for a Modified PAR whose completion date is being extended past the original four-year life of the PAR:**

**13. Scope of Proposed Project:**

This project is an extension of, and linked to, project number 1073.0.1.1 (Health informatics - Point-of-care medical device communication - Technical report - Guidelines for the use of RF wireless technology). The scope of this standard is to outline more specifically the different follow-on transport standards associated with wireless data transport from IEEE-1073 point-of-care (POC) medical devices using personal area (WPAN), local area (WLAN), wide area (WWAN), and other networks. The document will outline unique concerns and requirements relating to the use of various RF wireless technologies operating on such networks.

**Is the completion of this document contingent upon the completion of another document?**

No

**14. Purpose of Proposed Project:**

The purpose of this standard is to provide the healthcare enterprise, medical device manufacturers, the telecommunications industry, and government regulatory agencies a set of recommendations and performance benchmarks associated with the transport of medical device data using various personal area, local area, and wide area networks.

**15. Reason for the Proposed Project:**

This standard offers a framework and overview to map subsequent transport profiles that will make specific recommendations on the use of WPAN, WLAN, and WWAN wireless networks to facilitate medical data transport in various healthcare settings. Specifically, technology protocols will be recommended to facilitate plug-and-play compatibility between point-of-care (POC) medical devices and wireless networks to an end server or attending healthcare professional. Medical data may range from non-critical to critical parameters, and expected quality of service (i.e., data throughput, latency, fidelity, network coverage) and acceptable performance parameters will be discussed. Stakeholders include medical device and system developers that use RF wireless technology and those who integrate and manage those systems in healthcare environments.

**16. Intellectual Property:**

- a. Has the IEEE-SA policy on intellectual property been presented to those responsible for preparing/submitting this PAR?** Yes 2005-01-22
- b. Is the sponsor aware of copyright permissions needed for this project?** No
- c. Is the sponsor aware of trademarks that apply to this project?** No
- d. Is the sponsor aware of possible registration activity related to this project?** No

**17. Are there other documents or projects with a similar scope?** Yes

This is a follow-on document from IEEE 1073.0.1.1 and a framework and overview document for subsequent projects including 1073.3.5.1, 1073.3.5.2, 1073.3.5.3, 1073.3.5.4, and 1073.3.5.5

**Similar Scope Project Information:**

SimSP: IEEE 1073 SimProjNo: IEEE 1073.0.1.1 SimProjD: 07-008-2003 SimTitle: Health informatics - Point-of-care medical device communication - Technical report - Guidelines for the use of RF wireless technology

**18. Is there potential for this document (in part or in whole) to be adopted by another national , regional or international organization?** Yes

**If yes, the following questions must be answered:**

**Organization Name?** ISO TC215 WG7

**Technical Committee**

**International** Todd H Cooper

**Contact** Breakthrough Solutions

**Information?** 15058 Midland Road  
Poway, CA 92064-2974  
t.cooper@ieee.org

**19. Will this project result in any health, safety, or environmental guidance that affects or applies to human health or safety?** Yes

**If yes, please explain:**

Use of this recommended practice may result in better characterization as well as a reduction of problems that degrade performance associated with wireless medical device data communication, which results in more reliable provision of the functions provided by the communication capability, and ultimately increased patient safety and quality of care.

**20. Sponsor Information**

- a. Is the scope of this project within the approved/scope/definition of the Sponsor's Charter?** Yes

**If no, please explain:**

- b. The Sponsor's procedures have been accepted by the IEEE-SA Standards Board Audit Committee?** Yes

**21. Additional Explanatory Notes: (Item Number and Explanation)**

The establishment of liaison relationships between the IEEE EMBS 1073 working group and IEEE 802 would facilitate coordination between related standardization activities. Additionally, evaluation of related IETF RFCs should be pursued to ensure harmonization and eliminate

duplicative effort.