
Submitter Email: douglas.p.bogia@intel.com
Type of Project: Revision to IEEE Standard 11073-10441-2008
PAR Request Date: 12-Feb-2010
PAR Approval Date: 25-Mar-2010
PAR Expiration Date: 31-Dec-2014
Status: PAR for a Revision to an existing IEEE Standard 11073-10441-2008
Project Record: 11073-10441

1.1 Project Number: P11073-10441
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Standard for Health Informatics - Personal Health Device Communication - Part 10441: Device Specialization - Cardiovascular Fitness and Activity Monitor

Old Title: Health Informatics - Personal Health Device Communication - Part 10441: Device Specialization - Cardiovascular Fitness and Activity Monitor

3.1 Working Group: Personal_Health_Device (EMB/11073/PHD)

Contact Information for Working Group Chair

Name: Douglas Bogia
Email Address: douglas.p.bogia@intel.com
Phone: 503-456-5031

Contact Information for Working Group Vice-Chair

None

3.2 Sponsoring Society and Committee: IEEE Engineering in Medicine and Biology Society/11073 Committee (EMB/11073)

Contact Information for Sponsor Chair

Name: Todd Cooper
Email Address: t.cooper@ieee.org
Phone: +1 858-442-9200

Contact Information for Standards Representative

Name: Elliot Sloane
Email Address: ebsloane@ieee.org
Phone: 610-519-6432

4.1 Type of Ballot: Individual

4.2 Expected Date of submission of draft to the IEEE-SA for Initial Sponsor Ballot: 12/2010

4.3 Projected Completion Date for Submittal to RevCom: 06/2011

5.1 Approximate number of people expected to be actively involved in the development of this project: 25

5.2 Scope: Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of the communication between personal cardiovascular fitness and activity monitoring devices and managers (e.g. cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology and information models. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth cardiovascular fitness and activity monitor devices. In this context, cardiovascular fitness and activity monitor devices are being used broadly to cover cardiovascular fitness and activity monitor devices that measure physical actions and the body's various physiological responses to that activity.

Old Scope: Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of the communication between personal cardiovascular fitness and activity monitoring devices and managers (e.g. cell phones, personal computers, personal health appliances, set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards including ISO/IEEE 11073 terminology and information models. It specifies the use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability. This standard defines a common core of communication functionality for personal telehealth cardiovascular fitness and activity monitor devices. In this context, cardiovascular fitness and activity monitor devices are being used broadly to cover cardiovascular fitness and activity monitor devices that measure physical actions and the body's various physiological responses to that activity.

5.3 Is the completion of this standard dependent upon the completion of another standard: No

5.4 Purpose: This standard addresses a need for an openly defined, independent standard for controlling information exchange to and from personal health devices and managers (e.g. cell phones, personal computers, personal health appliances, set top boxes). Interoperability is key to growing the potential market for these devices and enabling people to be better informed participants in the management of their health.

Old Purpose: This standard addresses a need for an openly defined, independent standard for controlling information exchange to and from personal health devices and managers (e.g. cell phones, personal computers, personal health appliances, set top boxes). Interoperability is key to growing the potential market for these devices and enabling people to be better informed participants in the management of their health.

5.5 Need for the Project: There is a need to extend this standard by adding 3D accelerometer data communication for additional support of monitoring physical activities. The goal is to complete this in a timely fashion to meet market needs, thus, major new capabilities or functional enhancements beyond those described here will have to be deferred to a future project approval request to avoid delaying release of this standard.

5.6 Stakeholders for the Standard: People who use personal health devices in home and mobile environments, personal health device vendors, personal health manager vendors, institutions that may ultimately receive data from these devices (e.g. hospitals, doctor offices, diet and fitness companies), payers (e.g. insurance companies), regulatory agencies, telemedicine consultants and businesses.

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 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?: Yes

Organization: ISO TC215

Technical Committee Name: WG7

Technical Committee Number: WG7

Contact Name: Melvin Reynolds

Phone: +44 (1989) 763 120

Email: melvinr@ams-consulting.co.uk

b. Joint Development

Is it the intent to develop this document jointly with another organization?: Do Not Know

Organization:

Technical Committee Name:

Technical Committee Number:

Contact Name:

Phone:

Email:

c. Harmonization

Are you aware of another organization that may be interested in portions of this document in their standardization development efforts?: No

8.1 Additional Explanatory Notes (Item Number and Explanation):