

# P11073-10417

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**Type of Project:** Revision to IEEE Standard 11073-10417-2011

**PAR Request Date:** 13-Sep-2014

**PAR Approval Date:** 10-Dec-2014

**PAR Expiration Date:** 31-Dec-2018

**Status:** PAR for a Revision to an existing IEEE Standard

**Root Project:** 11073-10417-2011

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**1.1 Project Number:** P11073-10417

**1.2 Type of Document:** Standard

**1.3 Life Cycle:** Full Use

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**2.1 Title:** Health Informatics - Personal Health Device Communication Part 10417: Device Specialization -Glucose Meter  
**Changes in title:** Health ~~informatics~~Informatics -- Personal healthHealth deviceDevice communicationCommunication Part 10417: Device ~~specialization~~Specialization --Glucose ~~meter~~Meter

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**3.1 Working Group:** Personal\_Health\_Device (EMB/11073/PHD)

**Contact Information for Working Group Chair**

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

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

**Contact Information for Sponsor Chair**

**Name:** Todd Cooper

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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:** 05/2015

**4.3 Projected Completion Date for Submittal to RevCom:** 10/2016

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**5.1 Approximate number of people expected to be actively involved in the development of this project:** 15

**5.2 Scope:** Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of communication between personal telehealth glucose meter devices and compute engines (e.g., cell phones, personal computers, personal health appliances, and set top boxes) in a manner that enables plug-and-play interoperability. It leverages appropriate portions of existing standards, including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. 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 glucose meters.

**5.3 Is the completion of this standard dependent upon the completion of another standard:** Yes

**If yes please explain:** IEEE Std 11073-20601-2014 (In proof editing phase)

**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 compute engines (e.g., cell phones, personal computers, personal health appliances, and set top boxes). Interoperability is the key to growing the potential market for these devices and to enabling people to be better informed participants in the

management of their health.

**5.5 Need for the Project:** There are requests from stakeholders to cover the new modeling that is required to provide additional functionalities which include 1) Base Offset Time, 2) International Unit for the Medication object, 3) Additional PM-Store functionality, 4) changing the PM-Store Clear\_Timeout to Conditional, 5) define new standard configuration for this specialization, 6) Revise the value map of control solution object, and 7) change the baseline protocol to V3, as well as to cover a number of known issues from IEEE 11073-10417-2011 standard such as 1) Updating Standard configuration examples to include Control Solution, 2) Updating unit conversion values in subclause 5.1, and 3) remove the nomenclature code MDC\_CONC\_GLU\_GEN. Based on group consensus, other change requests may also be implemented during the development process.

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

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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):** Previously, we established an Amendment project to modify the existing IEEE Std. 11073-10417-2011. During the development process, we have identified more change requirements which makes this project beyond the capacity of a normal Amendment project. Therefore, we wish to establish this Revision project, while in the meantime, to withdraw the original Amendment project.

The 'ISO/IEEE 11073' mentioned in 5.2 refers to the standard family created by IEEE 11073 Personal Health Device WG, including IEEE Std 11073-20601-2014 and a group of Device Specializations whose project numbers start with 'IEEE 11073-104'.

The IEEE Std 11073-10417-2011 mentioned above refers to:

IEEE Std 11073-10417-2011, Health informatics - Personal health device communication - Part 10417: Device specialization - Glucose meter