P11073-10424-2014/Cor 1

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Type of Project: Corrigendum to IEEE Standard 11073-10424-2014
PAR Request Date: 09-Jul-2015
PAR Approval Date: 03-Sep-2015
PAR Expiration Date: 31-Dec-2019
Status: PAR for a Corrigendum to an existing IEEE Standard
Root Project: 11073-10424-2014

1.1 Project Number: P11073-10424-2014/Cor 1
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Health Informatics - Personal Health Device Communication - Part 10424: Device Specialization -Sleep Apnoea Breathing Therapy Equipment (SABTE) - Corrigendum 1

3.1 Working Group: Personal_Health_Device (EMB/11073/PHD)
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3.2 Sponsoring Society and Committee: IEEE Engineering in Medicine and Biology Society/IEEE 11073TM Standards Committee (EMB/11073)
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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: 12/2015
4.3 Projected Completion Date for Submittal to RevCom: 05/2016

5.1 Approximate number of people expected to be actively involved in the development of this project: 12
5.2.a. Scope of the complete standard: Within the context of the ISO/IEEE 11073 family of standards for device communication, this standard establishes a normative definition of the communication between sleep apnoea breathing therapy equipment 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, 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 sleep apnoea breathing therapy equipment. In this context, sleep apnoea breathing therapy equipment are defined as devices that are intended to alleviate the symptoms of a patient who suffers from sleep apnoea by delivering a therapeutic breathing pressure to the patient. Sleep apnoea breathing therapy equipment are primarily used in the home health-care environment by a lay operator without direct professional supervision.

5.2.b. Scope of the Proposed changes: This Corrigendum includes the corrections of some nomenclature codes in IEEE Std. 11073-10424-2014, including MDC_DEV_SPEC_PROFILE_SABTE, MDC_SABTE_AHI_CENT, MDC_SABTE_RATE_P90 and some codes with _MIN or _MAX postfix.

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 (agents) and managers (e.g., cell phones, personal computers, personal health appliances, and set top boxes). Interoperability is 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: We have already identified some errors of the nomenclature codes in IEEE Std. 11073-10424-2014. They have to be corrected immediately to ensure the correct implementations 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), payors (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

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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): 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(-2008,-2010 and -2014) and a group of Device Specializations whose project numbers start with 'IEEE 11073-104'.

IEEE Std 11073-20601-2008, Health informatics Personal health device communication- Application profile Optimized Exchange Protocol
IEEE Std 11073-20601a-2010, Health informatics Personal health device communication- Application Profile Optimized Exchange Protocol Amendment 1
IEEE Std 11073-20601-2014, Health informatics Personal health device communication- Application Profile Optimized Exchange Protocol
IEEE Std 11073-10404-2008, Health informatics Personal health device communication- Device specialization Pulse Oximeter
IEEE Std 11073-10406-2011, Health informatics Personal health device communication- Device specialization- Basic Electrocardiograph(ECG) (1 to 3-lead ECG)
IEEE Std 11073-10407-2008, Health informatics Personal health device communication- Device specialization- Blood Pressure Monitor
IEEE Std 11073-10408-2008, Health informatics Personal health device communication- Device specialization- Thermometer
IEEE Std 11073-10415-2008, Health informatics Personal health device communication- Device specialization- Weighing Scale
IEEE Std 11073-10417-2009, Health informatics Personal health device communication- Device specialization- Glucose meter
IEEE Std 11073-10417-2011, Health informatics Personal health device communication- Device specialization- Glucose meter
IEEE Std 11073-10418-2010, Health informatics Personal health device communication- Device specialization- International Normalized Ratio (INR) monitor
IEEE Std 11073-10419-2015, Health informatics Personal health device communication- Device specialization- Insulin Pump
IEEE Std 11073-10420-2010, Health informatics Personal health device communication- Device specialization- Body composition analyzer
IEEE Std 11073-10421-2010, Health informatics Personal health device communication- Device specialization- Peak expiratory flow monitor (peak flow)
IEEE Std 11073-10424-2014, Health informatics Personal health device communication- Device Specialization- Sleep Apnoea Breathing Therapy Equipment (SABTE)
IEEE Std 11073-10425-2014, Health informatics Personal health device communication- Device Specialization- Continuous Glucose Monitor (CGM)
IEEE Std 11073-10441-2008, Health informatics Personal health device communication- Device specialization- Cardiovascular Fitness and Activity Monitor
IEEE Std 11073-10441-2013, Health informatics Personal health device communication- Device specialization- Cardiovascular Fitness and Activity Monitor
IEEE Std 11073-10442-2008, Health informatics Personal health device communication- Device specialization- Strength fitness equipment
IEEE Std 11073-10471-2008, Health informatics Personal health device communication- Device specialization- Independent living activity hub
IEEE Std 11073-10472-2010, Health informatics Personal health device communication- Device specialization- Medication monitor