P11073-10201

Submitter Email: jan.wittenber@gmail.com
Type of Project: Revision to IEEE Standard 11073-10201-2004
PAR Request Date: 05-Aug-2016
PAR Approval Date: 22-Sep-2016
PAR Expiration Date: 31-Dec-2020
Status: PAR for a Revision to an existing IEEE Standard
Root Project: 11073-10201-2004

1.1 Project Number: P11073-10201
1.2 Type of Document: Standard
1.3 Life Cycle: Full Use

2.1 Title: Health Informatics - Point-of-Care Medical Device Communication - Domain Information Model

3.1 Working Group: Point-of-Care Devices (EMB/11073/PoCD)
Contact Information for Working Group Chair
Name: Jan Wittenber
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Contact Information for Working Group Vice-Chair
None

3.2 Sponsoring Society and Committee: IEEE Engineering in Medicine and Biology Society/IEEE 11073 Standards Committee (EMB/11073)
Contact Information for Sponsor Chair
Name: Todd Cooper
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Name: Elliot Sloane
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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: 05/2018
4.3 Projected Completion Date for Submittal to RevCom
Note: Usual minimum time between initial sponsor ballot and submission to RevCom is 6 months.: 10/2018

5.1 Approximate number of people expected to be actively involved in the development of this project: 20
5.2 Scope: The scope of this project is to define a general object-oriented information model that may be used to structure information and identify services used in point-of-care medical device communications. The scope is primarily focused on acute care medical devices and the communication of patient vital signs information.

5.3 Is the completion of this standard dependent upon the completion of another standard: No
5.4 Purpose: The purpose of this project is to provide a general object-oriented information model that may be used to standardize communication with specific medical devices.

5.5 Need for the Project: This project is needed to extend the Domain Information Model (DIM) standard for continuing use by projects presently using it as well as updating based on related feedback for reuse and extension.

5.6 Stakeholders for the Standard: Developers leveraging IEEE 11073-IEEE 11073-series standards;
IEEE 11073 PHD (Personal Health Devices) -20601- and -104xx-series;
IEEE 11073-P2070x-series and -P10207 Service-oriented Device Communication;
IHE PCD profiles (various), e.g. DEC (Device-Enterprise Communication),
Alarm Communication Management; PCM (Point of Care Identity Management,
WCM (Waveform Communication Management), others as appropriate.
ASTM ICE F2761 (Integrated Clinical Environment)

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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

7.1 Are there other standards or projects with a similar scope?: Yes
If Yes please explain: IEEE 10201 is profiled in part by several related standards, e.g. IEEE 11073 PHD (Personal Health Devices,
-20601 and -104xx-series); IEEE SDC (Service-oriented Device Communication, -P207xx-series), and IHE PCD (Patient Care Device)-based profiles.

and answer the following
   Sponsor Organization: See Section 3
   Project/Standard Number: See Section 2
   Project/Standard Date: 01-Oct-2018
   Project/Standard Title: See Section 2

7.2 Joint Development
   Is it the intent to develop this document jointly with another organization?: No

8.1 Additional Explanatory Notes: The standard needs revision to incorporate feedback from users of the original version and to provide additional refinement for (1) existing and (2) prospective standards such as
1a) IEEE 11073 PHD (Personal Health Devices) -20601 and -104xx standards,
1b) IHE PCD (Patient Care Device) profiles, such as DEC (Device-Enterprise Communication(DEC); and
2a) IEEE 11073-P10207 (SDC, Services-oriented Device Communication) and
2b) HL7 (Health Level Seven) FHIR (Fast Healthcare Interoperability Resources).

This standard will extend the ISO/IEEE 10701:2004 standard, the PAR for which had been previously withdrawn due to scheduling issues The need is to revise 10201 before the end of 2018, when -10201:2004 expires.