

INTERNATIONAL
STANDARD

ISO/IEEE
11073-20601

First edition
2010-05-01

**Health informatics — Personal health
device communication —**

**Part 20601:
Application profile — Optimized
exchange protocol**

*Informatique de santé — Communication entre dispositifs de santé
personnels —*

Partie 20601: Profil d'application — Protocole d'échange optimisé

ISO/IEEE 11073-20601:2010(E)



Reference number
ISO/IEEE 11073-20601:2010(E)



© ISO 2010
© IEEE 2010

PDF disclaimer

This PDF file may contain embedded typefaces. In accordance with Adobe's licensing policy, this file may be printed or viewed but shall not be edited unless the typefaces which are embedded are licensed to and installed on the computer performing the editing. In downloading this file, parties accept therein the responsibility of not infringing Adobe's licensing policy. Neither the ISO Central Secretariat nor IEEE accepts any liability in this area.

Adobe is a trademark of Adobe Systems Incorporated.

Details of the software products used to create this PDF file can be found in the General Info relative to the file; the PDF-creation parameters were optimized for printing. Every care has been taken to ensure that the file is suitable for use by ISO member bodies and IEEE members. In the unlikely event that a problem relating to it is found, please inform the ISO Central Secretariat or IEEE at the address given below.



COPYRIGHT PROTECTED DOCUMENT

- © ISO 2010
- © IEEE 2010

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO or IEEE at the respective address below.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Institute of Electrical and Electronics Engineers, Inc.
3 Park Avenue, New York • NY 10016-5997, USA
E-mail stds.ipr@ieee.org
Web www.ieee.org

Contents

	Page
Foreword.....	vi
Introduction.....	viii
1. Overview.....	1
1.1 Scope.....	1
1.2 Purpose.....	1
1.3 Context.....	2
2. Normative references	5
3. Definitions, acronyms, and abbreviations	5
3.1 Definitions.....	5
3.2 Acronyms and abbreviations	5
4. Guiding principles.....	6
5. Introduction to IEEE 11073 personal health devices	7
5.1 General	7
5.2 Domain information model (DIM).....	8
5.3 Service model.....	8
5.4 Communication model.....	8
6. Personal health device DIM.....	8
6.1 General	8
6.2 Nomenclature usage	9
6.3 Personal health object class definitions.....	10
6.3.1 General	10
6.3.2 MDS class	12
6.3.3 Metric class.....	18
6.3.4 Numeric class	23
6.3.5 RT-SA class.....	26
6.3.6 Enumeration class.....	27
6.3.7 PM-store class	30
6.3.8 PM-segment class	34
6.3.9 Scanner classes	37
6.4 Information model extensibility rules	45
7. Personal health device service model	45
7.1 General	45
7.2 Association service	46
7.3 Object access services	46
7.4 Specific application of object access EVENT REPORT services for personal health devices	47
7.4.1 General	47
7.4.2 Confirmed and unconfirmed event reports	47