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

**Part 10417:
Device specialization — Glucose meter**

*Informatique de santé — Communication entre dispositifs médicaux sur le site
des soins —*

Partie 10417: Spécialisation des dispositifs — Glucomètre

Sample Document

get full document from standards.iteh.ai



Reference number
ISO/IEEE 11073-10417:2017(E)

© IEEE 2015

Sample Document

get full document from standards.iteh.ai



COPYRIGHT PROTECTED DOCUMENT

© IEEE 2015

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO or IEEE at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Institute of Electrical and Electronics Engineers, Inc
3 Park Avenue, New York
NY 10016-5997, USA

stds.ipr@ieee.org
www.ieee.org

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

IEEE Standards documents are developed within the IEEE Societies and the Standards Coordinating Committees of the IEEE Standards Association (IEEE-SA) Standards Board. The IEEE develops its standards through a consensus development process, approved by the American National Standards Institute, which brings together volunteers representing varied viewpoints and interests to achieve the final product. Volunteers are not necessarily members of the Institute and serve without compensation. While the IEEE administers the process and establishes rules to promote fairness in the consensus development process, the IEEE does not independently evaluate, test, or verify the accuracy of any of the information contained in its standards.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

Attention is called to the possibility that implementation of this standard may require the use of subject matter covered by patent rights. By publication of this standard, no position is taken with respect to the existence or validity of any patent rights in connection therewith. ISO/IEEE is not responsible for identifying essential patents or patent claims for which a license may be required, for conducting inquiries into the legal validity or scope of patents or patent claims or determining whether any licensing terms or conditions provided in connection with submission of a Letter of Assurance or a Patent Statement and Licensing Declaration Form, if any, or in any licensing agreements are reasonable or non-discriminatory. Users of this standard are expressly advised that determination of the validity of any patent rights, and the risk of infringement of such rights, is entirely their own responsibility. Further information may be obtained from ISO or the IEEE Standards Association.

ISO/IEEE 11073-10417 was prepared by the 11073 Committee of the Engineering in Medicine and Biology Society of the IEEE (as IEEE Std 11073-10417-2015). It was adopted by Technical Committee ISO/TC 215, *Health informatics*, in parallel with its approval by the ISO member bodies, under the “fast-track procedure” defined in the Partner Standards Development Organization cooperation agreement between ISO and IEEE. Both parties are responsible for the maintenance of this document.

Sample Document

get full document from standards.iteh.ai

IEEE Std 11073-10417™-2015

(Revision of
IEEE Std 11073-10417-2011)

Health informatics—Personal health device communication

Part 10417: Device Specialization— Glucose Meter

Sponsor

IEEE 11073™ Standards Committee
of the
IEEE Engineering in Medicine and Biology Society

Approved 11 June 2015

IEEE-SA Standards Board

Sample Document

get full document from standards.iteh.ai

Abstract: Within the context of the ISO/IEEE 11073 family of standards for device communication, 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) is established by this standard in a manner that enables plug-and-play interoperability. Appropriate portions of existing standards are leveraged, including ISO/IEEE 11073 terminology, information models, application profile standards, and transport standards. The use of specific term codes, formats, and behaviors in telehealth environments restricting optionality in base frameworks in favor of interoperability are specified. A common core of communication functionality for personal telehealth glucose meters is defined in this standard.

Keywords: glucose meter, IEEE 11073-10417™, medical device communication, personal health devices

Sample Document

get full document from standards.iteh.ai

The Institute of Electrical and Electronics Engineers, Inc.
3 Park Avenue, New York, NY 10016-5997, USA

Copyright © 2015 by The Institute of Electrical and Electronics Engineers, Inc. All rights reserved. Published 2 July 2015. Printed in the United States of America.

IEEE is a registered trademark in the U.S. Patent & Trademark Office, owned by The Institute of Electrical and Electronics Engineers, Incorporated.

PDF: ISBN 978-0-7381-9746-3 STD20244
Print: ISBN 978-0-7381-9747-0 STDPD20244

IEEE prohibits discrimination, harassment, and bullying.

For more information, visit <http://www.ieee.org/web/aboutus/whatis/policies/p9-26.html>.

No part of this publication may be reproduced in any form, in an electronic retrieval system or otherwise, without the prior written permission of the publisher.

Important Notices and Disclaimers Concerning IEEE Standards Documents

IEEE documents are made available for use subject to important notices and legal disclaimers. These notices and disclaimers, or a reference to this page, appear in all standards and may be found under the heading “Important Notice” or “Important Notices and Disclaimers Concerning IEEE Standards Documents.”

Notice and Disclaimer of Liability Concerning the Use of IEEE Standards Documents

IEEE Standards documents (standards, recommended practices, and guides), both full-use and trial-use, are developed within IEEE Societies and the Standards Coordinating Committees of the IEEE Standards Association (“IEEE-SA”) Standards Board. IEEE (“the Institute”) develops its standards through a consensus development process, approved by the American National Standards Institute (“ANSI”), which brings together volunteers representing varied viewpoints and interests to achieve the final product. Volunteers are not necessarily members of the Institute and participate without compensation from IEEE. While IEEE administers the process and establishes rules to promote fairness in the consensus development process, IEEE does not independently evaluate, test, or verify the accuracy of any of the information or the soundness of any judgments contained in its standards.

IEEE does not warrant or represent the accuracy or content of the material contained in its standards, and expressly disclaims all warranties (express, implied and statutory) not included in this or any other document relating to the standard, including, but not limited to, the warranties of: merchantability; fitness for a particular purpose; non-infringement; and quality, accuracy, effectiveness, currency, or completeness of material. In addition, IEEE disclaims any and all conditions relating to: results; and workmanlike effort. IEEE standards documents are supplied “AS IS” and “WITH ALL FAULTS.”

Use of an IEEE standard is wholly voluntary. The existence of an IEEE standard does not imply that there are no other ways to produce, test, measure, purchase, market, or provide other goods and services related to the scope of the IEEE standard. Furthermore, the viewpoint expressed at the time a standard is approved and issued is subject to change brought about through developments in the state of the art and comments received from users of the standard.

In publishing and making its standards available, IEEE is not suggesting or rendering professional or other services for, or on behalf of, any person or entity nor is IEEE undertaking to perform any duty owed by any other person or entity to another. Any person utilizing any IEEE Standards document, should rely upon his or her own independent judgment in the exercise of reasonable care in any given circumstances or, as appropriate, seek the advice of a competent professional in determining the appropriateness of a given IEEE standard.

IN NO EVENT SHALL IEEE BE LIABLE FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO: PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE PUBLICATION, USE OF, OR RELIANCE UPON ANY STANDARD, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE AND REGARDLESS OF WHETHER SUCH DAMAGE WAS FORESEEABLE.

Translations

The IEEE consensus development process involves the review of documents in English only. In the event that an IEEE standard is translated, only the English version published by IEEE should be considered the approved IEEE standard.

Official statements

A statement, written or oral, that is not processed in accordance with the IEEE-SA Standards Board Operations Manual shall not be considered or inferred to be the official position of IEEE or any of its committees and shall not be considered to be, or be relied upon as, a formal position of IEEE. At lectures, symposia, seminars, or educational courses, an individual presenting information on IEEE standards shall make it clear that his or her views should be considered the personal views of that individual rather than the formal position of IEEE.

Comments on standards

Comments for revision of IEEE Standards documents are welcome from any interested party, regardless of membership affiliation with IEEE. However, IEEE does not provide consulting information or advice pertaining to IEEE Standards documents. Suggestions for changes in documents should be in the form of a proposed change of text, together with appropriate supporting comments. Since IEEE standards represent a consensus of concerned interests, it is important that any responses to comments and questions also receive the concurrence of a balance of interests. For this reason, IEEE and the members of its societies and Standards Coordinating Committees are not able to provide an instant response to comments or questions except in those cases where the matter has previously been addressed. For the same reason, IEEE does not respond to interpretation requests. Any person who would like to participate in revisions to an IEEE standard is welcome to join the relevant IEEE working group.

Comments on standards should be submitted to the following address:

Secretary, IEEE-SA Standards Board
445 Hoes Lane
Piscataway, NJ 08854 USA

Laws and regulations

Users of IEEE Standards documents should consult all applicable laws and regulations. Compliance with the provisions of any IEEE Standards document does not imply compliance to any applicable regulatory requirements. Implementers of the standard are responsible for observing or referring to the applicable regulatory requirements. IEEE does not, by the publication of its standards, intend to urge action that is not in compliance with applicable laws, and these documents may not be construed as doing so.

Copyrights

IEEE draft and approved standards are copyrighted by IEEE under U.S. and international copyright laws. They are made available by IEEE and are adopted for a wide variety of both public and private uses. These include both use, by reference, in laws and regulations, and use in private self-regulation, standardization, and the promotion of engineering practices and methods. By making these documents available for use and adoption by public authorities and private users, IEEE does not waive any rights in copyright to the documents.

Photocopies

Subject to payment of the appropriate fee, IEEE will grant users a limited, non-exclusive license to photocopy portions of any individual standard for company or organizational internal use or individual, non-commercial use only. To arrange for payment of licensing fees, please contact Copyright Clearance Center, Customer Service, 222 Rosewood Drive, Danvers, MA 01923 USA; +1 978 750 8400. Permission to photocopy portions of any individual standard for educational classroom use can also be obtained through the Copyright Clearance Center.

Updating of IEEE Standards documents

Users of IEEE Standards documents should be aware that these documents may be superseded at any time by the issuance of new editions or may be amended from time to time through the issuance of amendments, corrigenda, or errata. An official IEEE document at any point in time consists of the current edition of the document together with any amendments, corrigenda, or errata then in effect.

Every IEEE standard is subjected to review at least every ten years. When a document is more than ten years old and has not undergone a revision process, it is reasonable to conclude that its contents, although still of some value, do not wholly reflect the present state of the art. Users are cautioned to check to determine that they have the latest edition of any IEEE standard.

In order to determine whether a given document is the current edition and whether it has been amended through the issuance of amendments, corrigenda, or errata, visit the IEEE-SA Website at <http://ieeexplore.ieee.org/xpl/standards.jsp> or contact IEEE at the address listed previously. For more information about the IEEE-SA or IEEE's standards development process, visit the IEEE-SA Website at <http://standards.ieee.org>.

Errata

Errata, if any, for all IEEE standards can be accessed on the IEEE-SA Website at the following URL: <http://standards.ieee.org/findstds/errata/index.html>. Users are encouraged to check this URL for errata periodically.

Patents

Attention is called to the possibility that implementation of this standard may require use of subject matter covered by patent rights. By publication of this standard, no position is taken by the IEEE with respect to the existence or validity of any patent rights in connection therewith. If a patent holder or patent applicant has filed a statement of assurance via an Accepted Letter of Assurance, then the statement is listed on the IEEE-SA Website at <http://standards.ieee.org/about/sasb/patcom/patents.html>. Letters of Assurance may indicate whether the Submitter is willing or unwilling to grant licenses under patent rights without compensation or under reasonable rates, with reasonable terms and conditions that are demonstrably free of any unfair discrimination to applicants desiring to obtain such licenses.

Essential Patent Claims may exist for which a Letter of Assurance has not been received. The IEEE is not responsible for identifying Essential Patent Claims for which a license may be required, for conducting inquiries into the legal validity or scope of Patents Claims, or determining whether any licensing terms or conditions provided in connection with submission of a Letter of Assurance, if any, or in any licensing agreements are reasonable or non-discriminatory. Users of this standard are expressly advised that determination of the validity of any patent rights, and the risk of infringement of such rights, is entirely their own responsibility. Further information may be obtained from the IEEE Standards Association.

Participants

At the time this IEEE standard was completed, the Personal Health Devices Working Group had the following membership:

Daidi Zhong, *Chair*
Michael J. Kirwan, *Chair*
Raymond A. Strickland, *Vice-Chair*
Craig Carlson, *Vice-Chair*

Karsten Aalders	Seungchul Chae	Eric Freudenthal
Charles R. Abbruscato	Rahul Chauhan	Matthias Frohner
Nabil Abujbara	James Cheng	Ndifor Cyril Fru
Maher Abuzaid	Peggy Chien	Ken Fuchs
James Agnew	David Chiu	Jing Gao
Haidar Ahmad	Chia-Chin Chong	Xuemei Gao
Manfred Aigner	Saeed A. Choudhary	Marcus Garbe
Jorge Alberola	Jinhan Chung	John Garguilo
Murtaza Ali	Malcolm Clarke	Rick Geimer
Rolf Ambuehl	John A. Cogan	Igor Gejdos
David Aparisi	John T. Collins	Ferenc Gerbovics
Lawrence Arne	Cory Condek	Nicolae Goga
Diego B. Arquillo	Todd H. Cooper	Julian Goldman
Serafin Arroyo	David Cornejo	Raul Gonzalez Gomez
Muhammad Asim	Douglas Coup	Chris Gough
Merat Bagha	Nigel Cox	Channa Gowda
Doug Baird	Hans Crommenacker	Charles M. Gropper
David Baker	Tomio Crosley	Amit Gupta
Anindya Bakshi	David Culp	Jeff Guttmacher
Ananth Balasubramanian	Allen Curtis	Rasmus Haahr
Sunlee Bang	Eyal Dassau	Christian Habermann
M. Jonathan Barkley	David Davenport	Michael Hagerty
Gilberto Barrón	Russell Davis	Jerry Hahn
David Bean	Sushil K. Deka	Robert Hall
John Bell	Ciro de la Vega	Nathaniel Hamming
Rudy Belliardi	Pedro de-las-Heras-Quiros	Rickey L. Hampton
Daniel Bernstein	Jim DelloStritto	Sten Hanke
George A. Bertos	Matthew d'Entremont	Jordan Hartmann
Chris Biernacki	Lane Desborough	Kai Hassing
Ola Björnsne	Kent Dicks	Marc Daniel Haunschild
Thomas Blackadar	Hyoungdo Do	Wolfgang Heck
Marc Blanchet	Xiaolian Duan	Nathaniel Heintzman
Thomas Bluethner	Brian Dubreuil	Charles Henderson
Douglas P. Bogia	Sourav Dutta	Jun-Ho Her
Xavier Boniface	Jakob Ehrensvarð	Takashi Hibino
Shannon Boucousis	Fredrik Einberg	Timothy L. Hirou
Julius Broma	Roger M. Ellingson	Allen Hobbs
Lyle G. Bullock, Jr.	Michihiro Enokida	Alex Holland
Bernard Burg	Javier Escayola Calvo	Arto Holopainen
Chris Burns	Mark Estes	Kris Holtzclaw
Anthony Butt	Leonardo Estevez	Robert Hoy
Jeremy Byford-Rew	Roger Feeley	Frank Hsu
Satya Calloji	Bosco T. Fernandes	Anne Huang
Carole C. Carey	Christoph Fischer	Sen-Der Huang
Santiago Carot-Nemesio	Morten Flintrup	Zhiqiang Huang
Randy W. Carroll	Joseph W. Forler	Ron Huby
Simon Carter	Russell Foster	David Hughes

Robert D. Hughes	Romain Marmot	Giovanna Sannino
Jiyoung Huh	Sandra Martinez	Jose A. Santos-Cadenas
Hugh Hunter	Miguel Martínez de Espronceda	Stefan Sauerermann
Hitoshi Ikeda	Cámara	John Sawyer
Yutaka Ikeda	Peter Mayhew	Guillaume Schatz
Philip O. Isaacson	Jim McCain	Alois Schloegl
Atsushi Ito	László Meleg	Paul S. Schluter
Michael Jaffe	Alexander Mense	Lars Schmitt
Praduman Jain	Ethan Metsger	Mark G. Schnell
Wei Jin	Jinsei Miyazaki	Richard A. Schrenker
Danny Jochelson	Erik Moll	Antonio Scorpiniti
Chris Johnson	Darr Moore	Kwang Seok Seo
Phaneeth Junga	Carsten Mueglitz	Riccardo Serafin
Akiyoshi Kabe	Piotr Murawski	Sid Shaw
Steve Kahle	Soundharya Nagasubramanian	Frank Shen
Tomio Kamioka	Jae-Wook Nah	Liqun Shen
Kei Kariya	Alex Neefus	Bozhi Shi
Andy Kaschl	Trong-Nghia Nguyen-Dobinsky	Min Shih
Junzo Kashiwara	Michael E. Nidd	Mazen Shihabi
Kohichi Kashiwagi	Tetsu Nishimura	Redmond Shouldice
Ralph Kent	Jim Niswander	Sternly K. Simon
Laurie M. Kermes	Hiroaki Niwamoto	Marjorie Skubic
Ikuo Keshi	Thomas Norgall	Robert Smith
Junhyung Kim	Anand Noubade	Ivan Soh
Minho Kim	Yoshiteru Nozoe	Motoki Sone
Min-Joon Kim	Abraham Ofek	Emily Sopensky
Taekon Kim	Brett Olive	Rajagopalan Srinivasan
Tetsuya Kimura	Begonya Otal	Andreas Staubert
Alfred Kloos	Charles Palmer	Nicholas Steblay
Jeongmee Koh	Bud Panjwani	Beth Stephen
Jean-Marc Koller	Carl Pantiskas	Lars Steubesand
John Koon	Harry P. Pappas	John (Ivo) Stivoric
Patty Krantz	Mikey Paradis	Raymond A. Strickland
Raymond Krasinski	Hanna Park	Chandrasekaran Subramaniam
Alexander Kraus	Jong-Tae Park	Hermann Suominen
Ramesh Krishna	Myungeun Park	Lee Surprenant
Geoffrey Kruse	Soojun Park	Ravi Swami
Falko Kuester	Phillip E. Pash	Ray Sweidan
Rafael Lajara	TongBi Pei	Jin Tan
Pierre Landau	Lucian Pestritu	Haruyuyki Tatsumi
Jaechul Lee	Soren Petersen	John W. Thomas
JongMuk Lee	James Petisce	Jonas Tirén
Kyong Ho Lee	Peter Piction	Alexandra Todiruta
Rami Lee	Michael Pliskin	James Tomcik
Sungkee Lee	Jeff Price	Janet Traub
Woojae Lee	Harald Prinzhorn	Jesús Daniel Trigo
Yonghee Lee	John Quinlan	Gary Tschautscher
Joe Lenart	Arif Rahman	Masato Tsuchid
Kathryn A. Lesh	Tanzilur Rahman	Ken Tubman
Qiong Li	Steve Ray	Yoshihiro Uchida
Ying Li	Phillip Raymond	Sunil Unadkat
Patrick Lichter	Tim Reilly	Fabio Urbani
Jisoon Lim	Barry Reinhold	Philipp Urbauer
Joon-Ho Lim	Brian Reinhold	Laura Vanzago
John Lin	Melvin I. Reynolds	Alpo Värri
Wei-Jung Lo	John G. Rhoads	Dalimar Velez
Charles Lowe	Jeffrey S. Robbins	Naveen Verma
Don Ludolph	Moskowitz Robert	Rudi Voon
Christian Luszick	Timothy Robertson	Isobel Walker
Bob MacWilliams	David Rosales	David Wang
Srikanth Madhurbootheswaran	Bill Saltzstein	Jerry P. Wang
Miriam L. Makhoul	Benedikt Salzbrunn	Yao Wang

Yi Wang
Steve Warren
Fujio Watanabe
Toru Watsuji
Mike Weng
Kathleen Wible
Paul Williamson

Jan Wittenber
Jia-Rong Wu
Will Wykeham
Ariton Xhafa
Yaxi Yan
Ricky Yang
Melanie S. Yeung

Done-Sik Yoo
Jianchao Zeng
Jason Zhang
Zhiqiang Zhang
Thomas Zhao
Miha Zoubek
Szymon Zyskoter

The following members of the individual balloting committee voted on this standard. Balloters may have voted for approval, disapproval, or abstention.

John Ballingall
Giberto Barrón
Lyle G. Bullock, Jr.
Keith Chow
Joseph El Youssef
Randall Groves
Kai Hassing
Werner Hoelzl

Noriyuki Ikeuchi
Atsushi Ito
Piotr Karocki
Patrick Keith-Hynes
Patrick Kinney
Robert Kircher
Michael J. Kirwan
Nick S. A. Nikjoo

Henry Pinto
Melvin I. Reynolds
Bartien Sayogo
Lars Schmitt
Raymond A. Strickland
Walter Struppler
Jan Wittenber
Oren Yuen

When the IEEE-SA Standards Board approved this standard on 11 June 2015, it had the following membership:

John Kulick, *Chair*
Jon Walter Rosdahl, *Vice Chair*
Richard H. Hulett, *Past Chair*
Konstantinos Karachalios, *Secretary*

Masayuki Ariyoshi
Ted Burse
Stephen Dukes
Jean-Philippe Faure
J. Travis Griffith
Gary Hoffman
Michael Janezic

Joseph L. Koepfinger*
David J. Law
Hung Ling
Andrew Myles
T. W. Olsen
Glenn Parsons
Ronald C. Petersen
Annette D. Reilly

Stephen J. Shellhammer
Adrian P. Stephens
Yatin Trivedi
Phillip Winston
Don Wright
Yu Yuan
Daidi Zhong

*Member Emeritus

Julie Alessi, *IEEE-SA Content Production and Management*

Kathryn Bennett, *IEEE-SA Operational Program Management*

Introduction

This introduction is not part of IEEE Std 11073-10417™-2015, Health informatics—Personal health device communication—Part 10417: Device Specialization—Glucose Meter.

ISO/IEEE 11073 standards enable communication between medical devices and external computer systems. This document uses the optimized framework created in IEEE Std 11073-20601-2015^a and describes a specific, interoperable communication approach for glucose meters. These standards align with and draw on the existing clinically focused standards to provide support for communication of data from clinical or personal health devices.

Sample Document

get full document from standards.iteh.ai

^aFor information on references, see Clause 2.

Contents

1. Overview	1
1.1 Scope	1
1.2 Purpose	1
1.3 Context	2
2. Normative references.....	2
3. Definitions, acronyms, and abbreviations	2
3.1 Definitions	2
3.2 Acronyms and abbreviations	3
4. Introduction to ISO/IEEE 11073 personal health devices	4
4.1 General	4
4.2 Introduction to IEEE 11073-20601 modeling constructs.....	4
5. Glucose meter device concepts and modalities	5
5.1 General	5
6. Glucose meter domain information model	6
6.1 Overview	6
6.2 Class extensions.....	7
6.3 Object instance diagram	7
6.4 Types of configuration.....	8
6.5 Medical device system object.....	9
6.6 Numeric objects.....	12
6.7 Real-time sample array objects.....	20
6.8 Enumeration objects	20
6.9 PM-store objects.....	25
6.10 Scanner objects.....	29
6.11 Class extension objects.....	29
6.12 Glucose meter information model extensibility rules	29
7. Glucose meter service model.....	29
7.1 General	29
7.2 Object access services.....	29
7.3 Object access event report services	30
8. Glucose meter communication model	32
8.1 Overview	32
8.2 Communication characteristics.....	32
8.3 Association procedure	32
8.4 Configuring procedure.....	34
8.5 Operating procedure	38
8.6 Time synchronization	39
9. Test associations.....	39
9.1 Behavior with standard configuration.....	39
9.2 Behavior with extended configurations	39
10. Conformance	40
10.1 Applicability	40

10.2 Conformance specification	40
10.3 Levels of conformance	40
10.4 Implementation conformance statements	41
Annex A (informative) Bibliography	45
Annex B (normative) Any additional ASN.1 definitions	46
B.1 Device and sensor status bit mapping	46
Annex C (normative) Allocation of identifiers	47
C.1 General	47
C.2 Definitions of terms and codes	47
C.3 Systematic derivations of terms and codes	48
Annex D (informative) Message sequence examples	51
Annex E (informative) Protocol data unit examples	53
E.1 General	53
E.2 Association information exchange	53
E.3 Configuration information exchange	56
E.4 GET MDS attributes service	59
E.5 Data reporting	61
E.6 Disassociation	62

Sample Document

get full document from standards.iteh.ai