

P1752 Working Group Meeting

Sponsored by IEEE Engineering in Medicine & Biology (EMB) Standards Committee

Please mark your attendance at:
<https://tinyurl.com/yc3oxg6q>
(see chat window)

11 August 2021

Teleconference

Attendance

Attendance is important for determining voting rights, so please remember to “check in”. This document shows attendance of current and previous calls <https://tinyurl.com/rnaacvsz>(link in the chat window).

For today: mark your attendance at <https://tinyurl.com/rnaacvsz> with a 0 if you are non-voting or a 1 if you are a voting member, or put your name and affiliation in the chat window to “check in”

- If your name is not listed in <https://tinyurl.com/rnaacvsz>, or if you are joining only via phone, please email simona@openmhealth.org with “P1752 WG call” as subject

If you attended a previous call and your attendance was not noted, please email simona@openmhealth.org

IEEE Patent Policy

Participants have a duty to inform the IEEE

- Participants shall inform the IEEE (or cause the IEEE to be informed) of the identity of each holder of any potential Essential Patent Claims of which they are personally aware if the claims are owned or controlled by the participant or the entity the participant is from, employed by, or otherwise represents
- Participants should inform the IEEE (or cause the IEEE to be informed) of the identity of any other holders of potential Essential Patent Claims

**Early identification of holders of potential
Essential Patent Claims is encouraged**

Slide #1

Ways to inform IEEE

- Cause an LOA to be submitted to the IEEE-SA (patcom@ieee.org); or
- Provide the chair of this group with the identity of the holder(s) of any and all such claims as soon as possible; or
- Speak up now and respond to this Call for Potentially Essential Patents

If anyone in this meeting is personally aware of the holder of any patent claims that are potentially essential to implementation of the proposed standard(s) under consideration by this group and that are not already the subject of an Accepted Letter of Assurance, please respond at this time by providing relevant information to the WG Chair

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Other guidelines for IEEE WG meetings

- **All IEEE-SA standards meetings shall be conducted in compliance with all applicable laws, including antitrust and competition laws.**
 - **Don't discuss the interpretation, validity, or essentiality of patents/patent claims.**
 - **Don't discuss specific license rates, terms, or conditions.**
 - Relative costs of different technical approaches that include relative costs of patent licensing terms may be discussed in standards development meetings.
 - **Technical considerations remain the primary focus**
 - **Don't discuss or engage in the fixing of product prices, allocation of customers, or division of sales markets.**
 - **Don't discuss the status or substance of ongoing or threatened litigation.**
 - **Don't be silent if inappropriate topics are discussed ... do formally object.**

For more details, see *IEEE-SA Standards Board Operations Manual*, clause 5.3.10 and *Antitrust and Competition Policy: What You Need to Know* at <http://standards.ieee.org/develop/policies/antitrust.pdf>

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Patent-related information

The patent policy and the procedures used to execute that policy are documented in the:

- *IEEE-SA Standards Board Bylaws*
(<http://standards.ieee.org/develop/policies/bylaws/sect6-7.html#6>)
- *IEEE-SA Standards Board Operations Manual*
(<http://standards.ieee.org/develop/policies/opman/sect6.html#6.3>)

Material about the patent policy is available at
<http://standards.ieee.org/about/sasb/patcom/materials.html>

If you have questions, contact the IEEE-SA Standards Board Patent Committee Administrator at patcom@ieee.org

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IEEE SA Copyright Policy

IEEE SA Copyright Policy (November 2019)

- **By participating in this activity, you agree to comply with the [IEEE Code of Ethics](#), all applicable laws, and all IEEE policies and procedures including, but not limited to, the IEEE SA Copyright Policy.**
 - Previously Published material (copyright assertion indicated) shall not be presented/submitted to the Working Group nor incorporated into a Working Group draft unless permission is granted.
 - Prior to presentation or submission, you shall notify the Working Group Chair of previously Published material and should assist the Chair in obtaining copyright permission acceptable to IEEE SA.
 - For material that is not previously Published, IEEE is automatically granted a license to use any material that is presented or submitted.

IEEE SA Copyright Policy

- The IEEE SA Copyright Policy is described in the IEEE SA Standards Board Bylaws and IEEE SA Standards Board Operations Manual
- IEEE SA Copyright Policy, see
 - Clause 7 of the IEEE SA Standards Board Bylaws
<https://standards.ieee.org/about/policies/bylaws/sect6-7.html#7>
 - Clause 6.1 of the IEEE SA Standards Board Operations Manual
<https://standards.ieee.org/about/policies/opman/sect6.html>
- IEEE SA Copyright Permission
 - <https://standards.ieee.org/content/dam/ieee-standards/standards/web/documents/other/permissionltrs.zip>
- IEEE SA Copyright FAQs
 - <http://standards.ieee.org/faqs/copyrights.html/>
- IEEE SA Best Practices for IEEE Standards Development
 - http://standards.ieee.org/develop/policies/best_practices_for_ieee_standards_development_051215.pdf
- Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
 - <https://standards.ieee.org/about/policies/opman/sect6.html>

Determination of Quorum

<https://tinyurl.com/rnaacvsz>

Approval of Agenda

1. Attendance
2. Call for Patents, Code of Ethics, Copyright Policy
3. Approval of agenda and minutes (if quorum present)
4. P1752.2 subgroups
5. 1752 open-source site updates & governance
6. Other business

Approval of Prior Minutes

(July 20, 2021)

1752.2 Subgroups

P1752.2 Standard for Mobile Health Data: Representation of Cardiovascular, Respiratory, and Metabolic Measures

- Scope: This standard **defines specifications for standardized representations for mobile health data and metadata for a set of health measures, pertaining to cardiovascular, respiratory, and metabolic measures.** Mobile health data encompasses personal health data collected from sensors and mobile applications.
- Purpose: The purpose is to provide standard semantics to enable meaningful description, exchange, sharing, and use of mobile health data pertaining to cardiovascular, respiratory, and metabolic health measures. Data and associated metadata need to be sufficiently clear and complete to support analysis for a set of consumer health, biomedical research, and clinical care needs.

https://standards.ieee.org/project/1752_2.html

P1752.2 Cardio-Respiratory Subgroup

- **Scope:** The P1752.2 Cardio-Respiratory (CR) Subgroup will review Open mHealth schemas related to CR measures and propose updates and additional schemas as needed. **The scope includes but is not restricted to the following measures of CR health: blood pressure, heart rate, heart rate variability, RR interval, respiratory rate, and O2 saturation.** The focus of this Subgroup's work is on modeling data pertaining to CR function, not on current or future individual devices or apps that measure various aspects of CR health.
- **Duties:** By reviewing the clinical aspects of cardio-respiratory health and existing relevant devices and apps, the Subgroup shall **deliver a list of common attributes as well as a list of clinically important attributes in the cardio-respiratory domain as scoped above.** The Subgroup shall **propose modified and new schemas relating to CR health, including examples as informed by use cases and the list of common and clinically important attributes.** Finally, the Subgroup shall **deliver a review of mappings and/or relationships to non-Open mHealth CR schemas.**
- **Chair:** Sabarimalai Manikandan

P1752.2 Metabolic Subgroup

- **Scope:** The P1752.2 Metabolic Subgroup will review Open mHealth schemas related to Metabolic measures and propose updates and additional schemas as needed. The scope **includes but is not restricted to the following aspects of metabolic health: blood glucose, body weight.** The focus of this Subgroup's work is on modeling data pertaining to metabolic functions, and not on current or future individual devices or apps that measure various aspects of metabolism.
- **Duties:** By reviewing the clinical aspects of metabolic health and existing relevant devices and apps, the Subgroup shall **deliver a list of common attributes as well as a list of clinically important attributes in the metabolic health domain as scoped above.** The Subgroup shall **propose modified and new schemas relating to metabolic health, including examples as informed by use cases and the list of common and clinically important attributes.** Finally, the Subgroup shall **deliver a review of mappings and/or relationships to non-Open mHealth metabolic measure schemas.**
- **Chair:** Ida Sim

Proposed Motion #1

- Motion to approve the creation of the Cardio-Respiratory Subgroup with the following scope

Scope: The P1752.2 Cardio-Respiratory (CR) Subgroup will review Open mHealth schemas related to CR measures and propose updates and additional schemas as needed. **The scope includes but is not restricted to the following measures of CR health: blood pressure, heart rate, heart rate variability, RR interval, respiratory rate, and O2 saturation.** The focus of this Subgroup's work is on modeling data pertaining to CR function, not on current or future individual devices or apps that measure various aspects of CR health.

Proposed Motion #2

- Motion to approve the creation of the Metabolic Subgroup with the following scope
Scope: The P1752.2 Metabolic Subgroup will review Open mHealth schemas related to Metabolic measures and propose updates and additional schemas as needed. The scope **includes but is not restricted to the following aspects of metabolic health: blood glucose, body weight.** The focus of this Subgroup's work is on modeling data pertaining to metabolic functions, and not on current or future individual devices or apps that measure various aspects of metabolism.

Participation Details

- Each subgroup will have
 - a page on the website, dedicated mailing list, named space on iMeet Central for sharing documents
- The subgroup can organize itself to work as deemed best by members
- At each main WG call, each subgroup chair will report back to the WG about progress, ask questions, solicit comments, etc.
- Email the WG Secretary simona@openmhealth.org if you want to be added to a subgroup's mailing list

Open mHealth schemas available

- Heart rate
- Blood pressure
- RR interval
- Respiratory rate
- O2 saturation
- Inspiratory / Expiratory time
- Ventilation cycle time
- Breath carbon monoxide
- Blood glucose (+ Specimen type value set)
- Body weight

1752 Open-Source site:
updates & governance

Updates to OS Site (I)

- 1752.1 is now an IEEE standard and the OS site must reflect that
- In particular, we
 - Updated notices on README.md files
 - Updated documentation_survey_schemas.md to remove “draft”
 - Renumbered [Schemas in repository](#) 0.1 → 1.0
- All changes made in the “create version 1.0 for publication” branch
<https://opensource.ieee.org/omh/1752/-/tree/1-create-version-1-0-for-publication/>

Updates to OS site (II): Site Governance

- The document CONTRIBUTING.md describes the proposed governance for the OS site
- Main points:
 - Rapid response committee to triage *Issues* (current members + additional)
 - Release workflow
 - Role of the Working Group

Updates to OS site (III)

- All the changes made in the branch *Create version 1.0 for publication*
- Working Group members were notified of the changes & asked to provide feedback
- No feedback received by email, but open discussion now
- Motion and vote to merge the updates to *main* branch

Proposed Motion #3

- Motion to approve all the changes to the 1752 Open-source site as detailed in the *1-create-version-1-0-for-publication* branch and allow merging to *main* branch.

Standard document: 1752.1

- The editorial process was completed
- Proposed edits were sent to WG Chair for review
- Publication of Standard slated for August 16

Summary of Action Items

Future Meetings

Upcoming Meetings

- P1752.2 WG call
 - Tuesday September 14, 8 am Pacific
- Cardio-respiratory subgroup: TBD
- Metabolic subgroup:
 - Tuesday August 31, 8 am Pacific

Adjournment