

P1752 Working Group Meeting

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

Attendance Taken by Secretary

26 July 2022

Teleconference

Attendance

Attendance is important for determining voting rights, so please remember to “check in” Write full name and affiliation on your zoom name. If you attend only by phone, please email the info to simona@openmhealth.org

Secretary will mark attendance for everyone

If you attended a previous call and your attendance was not noted on the draft minutes distributed by the Secretary, please email simona@openmhealth.org

Voting membership

Attendance is important for determining voting membership

After you've attended 2 consecutive meetings you are eligible for voting membership

If you wish to become a voting member, send an email with the request to simona@openmhealth.org

You don't need to be a voting member to participate in the WG or subgroup calls

You need to be a voting member to move or second motions and to vote whenever the WG entertains a motion (e.g., to approve the agenda, to approve an action by the WG, etc.)

If you miss 2 consecutive meetings, voting membership is revoked and can be gained again by attending 2 consecutive meeting and sending a request

Accommodation can be made for special circumstances, which should be brought to the Chair's attention

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**

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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

Approval of Agenda

1. Attendance
2. Call for Patents, Code of Ethics, Copyright Policy
3. Approval of agenda and minutes (if quorum present)
4. Update from subgroups
5. Other business

Approval of Prior Minutes

(June 7, 2022)

Update from Subgroups

P1752.2 Cardiorespiratory Subgroup (I)

June 30, 2022

Agenda

Attendance and introductions

Review of prior minutes, approved

Discussion:

- An example use case was introduced (“Clinical Care: Burden of Atrial Fibrillation”), primarily honing in on the heart rate (and/or pulse rate) and rhythm status features.
 - ✓ A survey of some of relevant lexicon standards (SNOMED CT)
 - ✓ Existing Open mHealth schemas (“heart rate”, “rr interval”) also were noted
 - ✓ Accommodation of Apple Healthkit schemas accommodated in Open mHealth using “Granola”.
 - ✓ This discussion was not intended to be comprehensive, but sampled starting points for consideration of schema construction relevant to specified use cases.
- General use case paradigms again were summarized (reviewing what also was discussed during the previous 2 subgroup meetings), along with discussing examples of possible use cases for consideration.
- It was suggested that we pursue a goal of 2 use case proposals each month, and build a series of representative use cases spanning the range paradigms.

P1752.2 Cardiorespiratory Subgroup (II)

May 26, 2022

- Stakeholder involvement:
 - Reference authoritative guidelines relevant to specific use case and use case paradigm
 - Connect with topical use case experts
 - Representatives for input from relevant industry, professional societies, users & payers, *etc.*
- Action items:
 - Preparation of use case presentations addressing "fitness / performance / athleticism" (discussion on heart rate recovery as a use case...)
 - Request for specific use case proposals fitting the Health Care paradigm

Next call: July 28, 2022, @ 15:00 UTC (8:00 AM Pacific)

Information at: <https://sagroups.ieee.org/1752/cardio-respiratory-subgroup/>

P1752.2 Metabolic Subgroup

- Converging on a set of measures
 - Definitions
 - Units of measure
- Glucose (mg/dL)
- Time in range (%) [TIR] <http://www.agpreport.org/agp/agpreports>
- Time above range [TAR] / Time below range [TBR]
- Percentage coefficient of variation for glucose ($\%CV = [(SD \text{ of glucose}) / (\text{mean glucose})]$)
- Glucose Management Indicator (GMI)
- sensor usage (%), calibration status, battery
- sensor location, specimen source, sample location

P1752.2 Metabolic Subgroup

Discussed the process of drafting glucose-related schemas

- Resources for volunteers
 - [Understanding JSON Schema](#) document on [JSON Schema website](#)
 - Existing [IEEE 1752.1 schemas](#)
 - Existing [Open mHealth schemas](#)

Next call: Tuesday, August 23 at 8 am Pacific

<https://sagroups.ieee.org/1752/metabolic-subgroup/>

Other Business

Presenting 1752.1 and P1752.2

Our WG is open to collaborations, in line with IEEE's approach of broad engagement to reach consensus

The public website is the “face” of the WG for past and ongoing work

[IEEE 1752.1-2021](#) is the approved standard, with its associated open-source site

The page details also how to cite the standard

If you think of presentation opportunities, contact the Chair or Secretary

Presenting 1752.1 and P1752.2

Feel free to invite people to join the WG, which does not require an IEEE membership.

When the conversation within the subgroup can benefit from (or be of interest to) the working group, we can devote time during a WG call to a more expansive presentation than the usual subgroup updates. We have a wide range of expertise in the WG.

Dissemination: for ex., [DiMe's Landscape of Standards](#)

Summary of Action Items

Future Meetings

Upcoming Meetings

- P1752.2 WG call
 - Tuesday September 13 at 8 am Pacific
- Cardio-respiratory subgroup:
 - Thursday July 28 at 8 am Pacific
- Metabolic subgroup:
 - Tuesday August 23 at 8 am Pacific

Adjournment