

P1752 Working Group Meeting

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

Attendance Taken by Secretary

7 June 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 simona@openmhealth.org

For today: Secretary will mark attendance for everyone

If you attended a previous call and your attendance was not noted on the minutes 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

(April 26, 2022)

Update from Subgroups

P1752.2 Cardiorespiratory Subgroup (I)

May 26, 2022

- “Nuts and bolts” meeting addressing collaboration options
 - Presentation by S. Carini about utilization of IEEE’s secure iMeet tools
 - Repository for draft schema documents
 - Editing tools and version control reviewed
- Questions/discussion addressing determination of key measures (and associated attributes) addressing the range of use case paradigms... and an explanation:
 - Example measure:
 - Heart rate (with defined associated attributes) determined across select use cases from various paradigms:
 - Fitness / performance / athleticism
 - Health / wellness (quantified self)
 - Monitoring medical condition and chronic disease
 - Reference existing schema libraries as a possible starting point (*example*: Open mHealth)
 - Consult topical experts for specific use case to facilitate determination of relevance, prioritizations, and descriptive attributes
 - Especially prioritize key measures common across multiple use case paradigms, and work to construct schema with coherent attributes that make that measure useful across use case 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"
 - Preparation of use case presentation addressing "health / wellness" (the quantified self)
 - Request for specific use case proposals fitting the Health Care paradigm
 - Group communication through email & iMeet regarding to start to form small group focused on developing specific proposed use case types, along with preparation for presentation to the subgroup.
- Next call: June 30, 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]
- Mean glucose (average)±standard deviation
- Percentage coefficient of variation for glucose ($\%CV = [(SD \text{ of glucose}) / (\text{mean glucose})]$)
- Glucose Management Indicator (GMI)
- Number of hypo/hyper events / Timestamps of alarms [to be defined more precisely]

Looking ahead: drafting glucose-related schemas

Additional measures (metadata)

- sensor usage (%)
- calibration status
- sensor location, specimen source, sample location
- battery

Suggestion: amend header schema property *modality* value set to have the following items:

- device generated
- user reported

Next call: Tuesday, June 21 at 8 am Pacific

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

About iMeet

- iMeet Central IEEE required and supported for collaborative development of standards
- Account required: Secretary sends invitations
- Manages document versioning, comments and archive
- Allows online editing with setup, though not for all file types

Other Business

Presenting 1752.1

- [HL7 Working Group Meeting](#) (May 2022)
- Digital Medicine Society

Summary of Action Items

Future Meetings

Upcoming Meetings

- P1752.2 WG call
 - Tuesday July 19 at 8 am Pacific
- Cardio-respiratory subgroup:
 - Thursday June 30 at 8 am Pacific
- Metabolic subgroup:
 - Tuesday June 21 at 8 am Pacific

Adjournment