P1752 Working Group Meeting
Sponsored by IEEE Engineering in Medicine & Biology (EMB) Standards Committee

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

26 April 2022
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: you can 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”. The Secretary will mark/verify attendance to establish quorum and to include in the minutes

- 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
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.
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.
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.

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)
  (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
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

• IEEE SA Best Practices for IEEE Standards Development

• Distribution of Draft Standards (see 6.1.3 of the SASB Operations Manual)
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. Update from subgroups
5. Other business
Approval of Prior Minutes
(March 15, 2021)
Update from Subgroups
## Important Cardiorespiratory Health Measures

(Relevance of Each Across Use Cases)

<table>
<thead>
<tr>
<th>Associated Health Condition</th>
<th>Blood pressure</th>
<th>Heart rate</th>
<th>RR interval</th>
<th>Heart rate Variability</th>
<th>O2 saturation</th>
<th>Respiratory rate</th>
<th>...</th>
</tr>
</thead>
<tbody>
<tr>
<td>Use Cases</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

... and add other clinically important attributes identified
IEEE P1752.2 CardioRespiratory - Schema development

• Usage cases under active development
• Focus on identification of key data types
• Coherent across broad usage paradigms
• Identify and broaden participation of stakeholders
Review of scope and purpose of the cardiorespiratory subgroup, including discussion of duties (deliverables)

Presentation: “An Overview of Monitoring of Cardiorespiratory Status - Relevant Paradigms”

Discussion of next steps: Use case development

Next call: April 28, 2022, @ 15:00 UTC (8:00 AM Pacific)
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 above range [TAR]
    - Time below range [TBR]
    - Mean glucose (average)±standard deviation
    - Percentage coefficient of variation for glucose (%CV = [(SD of glucose)/(mean glucose)])
    - Glucose Management Indicator (GMI)
    - Number of hypo/hyper events / Timestamps of alarms [to be defined more precisely]
Additional measures and metadata

• Mean amplitude of glycemic excursions (MAGE)
• Mean of daily differences (MODD)
• Sensor usage (%)
• Calibration
• mean absolute relative difference (MARD) to characterize sensor accuracy
• Temporal relationship to relevant important events

Looking ahead: drafting glucose-related schemas

Next call: Tuesday, May 10 at 8 am Pacific
https://sagroups.ieee.org/1752/metabolic-subgroup/
Summary of Action Items
Future Meetings
Upcoming Meetings

- P1752.2 WG call
  - Tuesday June 7 at 8 am Pacific
- Cardio-respiratory subgroup:
  - Thursday April 28 at 8 am Pacific
- Metabolic subgroup:
  - Tuesday May 10 at 8 am Pacific
Adjournment