

# 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)

28 January 2020

Teleconference

# Attendance

This document shows attendance from previous calls <https://tinyurl.com/yc3oxg6q> (link in the chat window of join.me). **If you attended the call, please verify that your name is listed**

- If not, email [simona@openmhealth.org](mailto:simona@openmhealth.org)

**Put your name and affiliation in the chat window for attendance today.**

- If your name is not listed, or if you are joining only via phone, please email [simona@openmhealth.org](mailto:simona@openmhealth.org) with “P1752 WG call” as subject

Attendance is important for determining voting rights, so please remember to “check in”

Voting rights are granted according to the P&P after attending two consecutive calls and by explicit request to the Secretary (Simona)

# 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](mailto: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**

**Slide #2**

# 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.

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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>

Slide #3

# 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](mailto:patcom@ieee.org)

Slide #4

# Determination of Quorum

<https://tinyurl.com/yc3oxg6q>



# Approval of Agenda

1. Attendance
2. Call for Patents
3. Approval of agenda and of prior minutes (if quorum present)
4. Subgroup updates
5. Introduction: generic survey schemas
6. Discussion
7. Other business

# Approval of Prior Minutes

(December 17)

# Update: Physical Activity Subgroup

# Physical Activity & Mobility (PAM) Sub-group

- Comments Received and Addressed
  - 1<sup>st</sup> round: Activity intensity, MET value, Sample data description, Remove % of light-intensity activity
  - 2<sup>nd</sup> round: Speed, Sedentary sample data, Descriptive statistic (denominator), Effect time frame
- Comments Document, PA Schema and Sample Data Folder
  - <https://ieee-sa.imeetcentral.com/omh/folder/WzlwLDEyMjUyNTc4XQ/WzlsNjYzMjc2MTld/>
- Thank you all for your help and support.

# Update: Metadata Subgroup

# Metadata Subgroup Update

- Initial draft of minimum metadata schemas completed
- Refinements in progress based on subgroup discussion
- Sample data being drafted
- UID issue still outstanding
- Slides available on subgroup webpage: <http://sites.ieee.org/sagroups-1752/metadata-subgroup/>
- Next call, February 4 at 9 am Pacific
- Let Simona ([simona@openmhealth.org](mailto:simona@openmhealth.org)) know if you are interested in participating

# Update: Sleep Subgroup

# Sleep Schema Subgroup Update

## ➤ Status and Next Steps

**Quantitative sleep measure task group:**

---Modified the 1<sup>st</sup> set of schemas based on more review comments from WG

**Qualitative sleep measure task group:**

---Drafted the survey schemas for the generic sets of sleep questionnaires

---Get ready for WG to review

➤ **Sleep schema subgroup meeting slides/minutes:**

<http://sites.ieee.org/sagroups-1752/sleep-subgroup-meeting-materials/>

➤ **Next subgroup meeting:** Feb 4, 2020 11:00am to 12:00 pm

➤ **Info on the sleep group:** email [charlotte.chen@Philips.com](mailto:charlotte.chen@Philips.com) or [Simona.Carini@UCSF.EDU](mailto:Simona.Carini@UCSF.EDU)



# Review Reminder of 2<sup>nd</sup> Batch Quantitative Sleep Schemas (1)

## ➤ **Second Batch of Schemas for WG to Review (Distributed on Nov 21 & Introduced on Nov 26)**

List of schemas for review

- apnea-hypopnea-index
- arousal-index
- sleep-body-movement
- sleep-episode
- sleep-stages
- snore-index
- wake-after-sleep-onset

# Review Reminder of 2<sup>nd</sup> Batch Quantitative Sleep Schemas (2)

## ➤ **Suggested Review Approach (Ref. Simona's email on Nov 21)**

1. Download sample data, schema and spreadsheet
2. Download and use tool (e.g. notepad++ on Win, Atom on Mac) to open sample data file to see how the data looks when modeled using the schema
3. Open and review the schema
4. Enter you comments into the spreadsheet (make sure to fill out column A,B,C,D)
5. Upload the modified spreadsheet to the iMeet (same location)

<https://ieee-sa.imeetcentral.com/omh/folder/WzIwLDEyMzg3MTU3XQ>

# Summary of Major Review Comments

1. Standardizing nomenclature: with an eye to existing conventions in the sleep research community, we should ensure that we use consistent names to indicate the same thing.

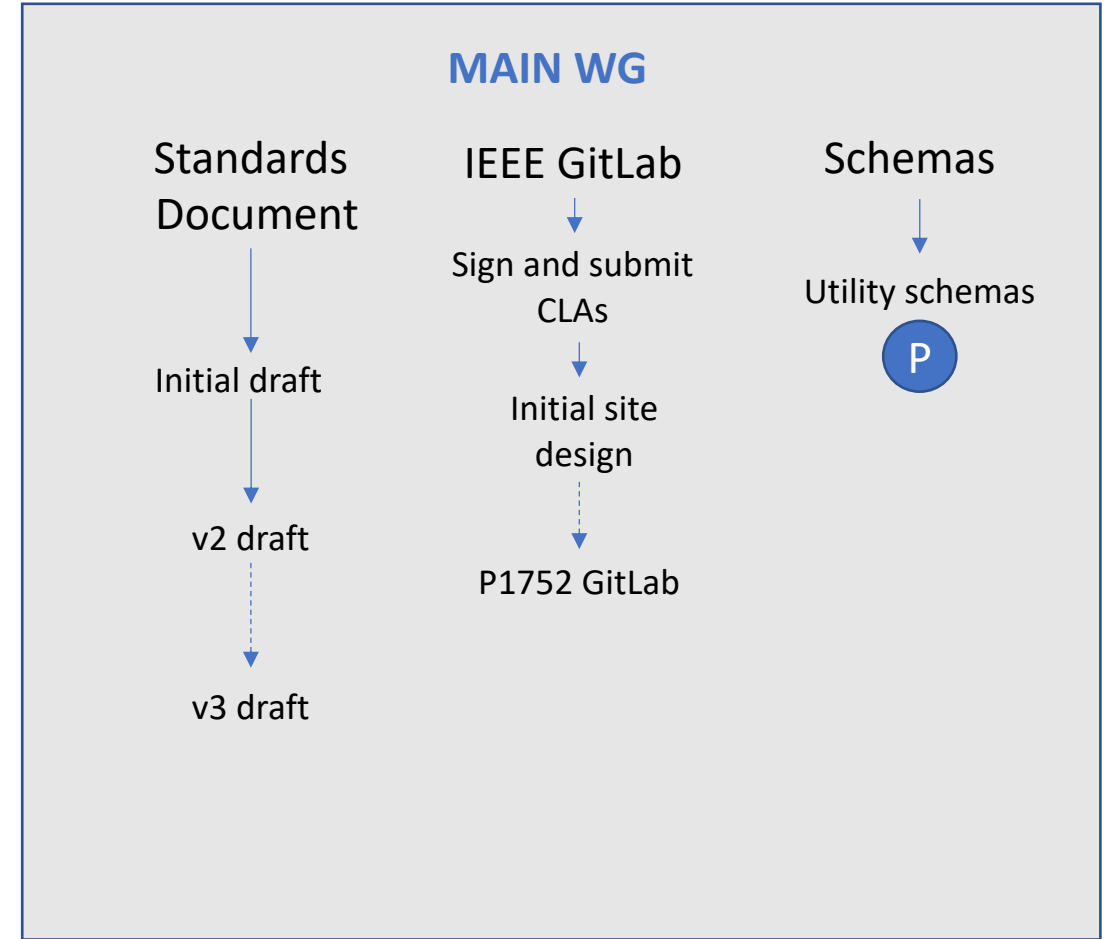
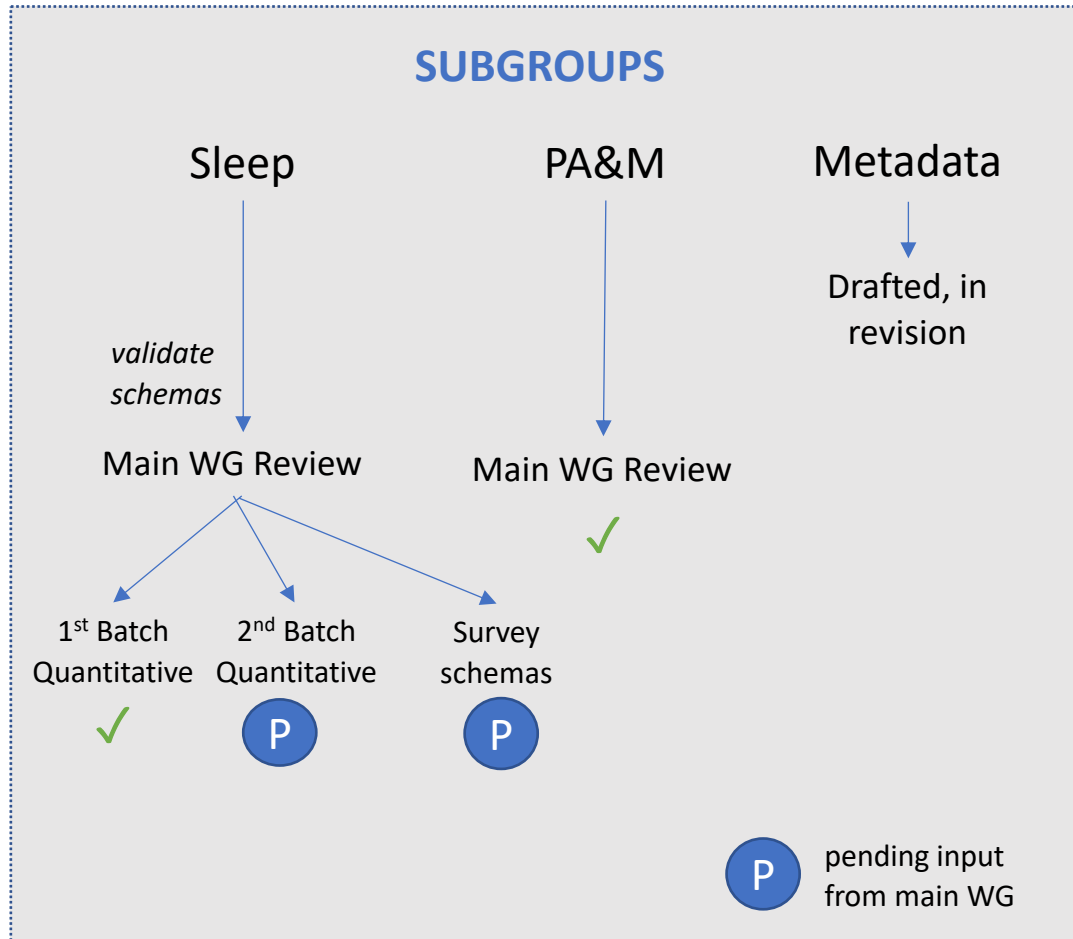
One example is individual segments of sleep vs non-sleep or different types of sleep. Right now we are using **bouts**, **events**, **episodes** partly as a result of different people drafting different schemas.

Another example is **time** vs **duration** to describe a length of time

2. Referencing other schemas: when you reference schema A in schema B, keep in mind that the requirements for schema A must be met by schema B instances for them to be valid.

# Progress Towards Balloting

# Workstreams



# Introduction: Survey Schemas

# Introduction of Generic Survey Schemas (1)

## ➤ Generic Survey Schemas for WG to Review

### 1. Description of generic survey schemas

<https://ieee-sa.imeetcentral.com/omh/folder/WzlwLDEyMzg3MTcyXQ/WzlsNjcwMjAyMDId/>

### 2. List of generic survey schemas

---survey

---survey-item

---survey-question

---survey-answer

---survey-unit-value-answer

---survey-categorical-answer

---survey-date-answer

---survey-time-answer

<https://ieee-sa.imeetcentral.com/omh/folder/WzlwLDEyNDI2MTI1XQ/>

# Introduction of Generic Survey Schemas (2)

## **3. List of example generic surveys (non-clinically validated, only use them to illustrate)**

- generic survey (impact of non-refreshed sleep)
- generic survey (poor sleep)
- generic survey (sleep related habits)
- generic survey (snoring)

## **4. List of corresponding example generic survey schemas (to show how to use the generic survey schemas)**

- survey-generic-impact-of-non-refreshed-sleep
- survey-generic-assessment-of-poor-sleep
- survey-generic-sleep-related-habits
- survey-generic-survey-snoring

<https://iee-sa.imeetcentral.com/omh/folder/WzlwLDEyNDI2MTIyXQ/>



Update:  
Draft Standard Document

# Version 3 distributed early next week

- This will be the candidate for ballot
- Comments on / edits to the draft document uploaded on designated folder on iMeet: <https://ieeesa.imeetcentral.com/omh/folder/WzlwLDEyMjg3NDE0XQ>
- If you have not yet accessed iMeet and you cannot find an email invitation, email [simona@openmhealth.org](mailto:simona@openmhealth.org)

# Discussion: Schema Review

# Calls on Schemas and Review

- Two calls devoted to intro to schemas: December 10 and 13
- Two calls devoted to “utility” schemas: January 14 and 17

# “Utility” Schemas for Review

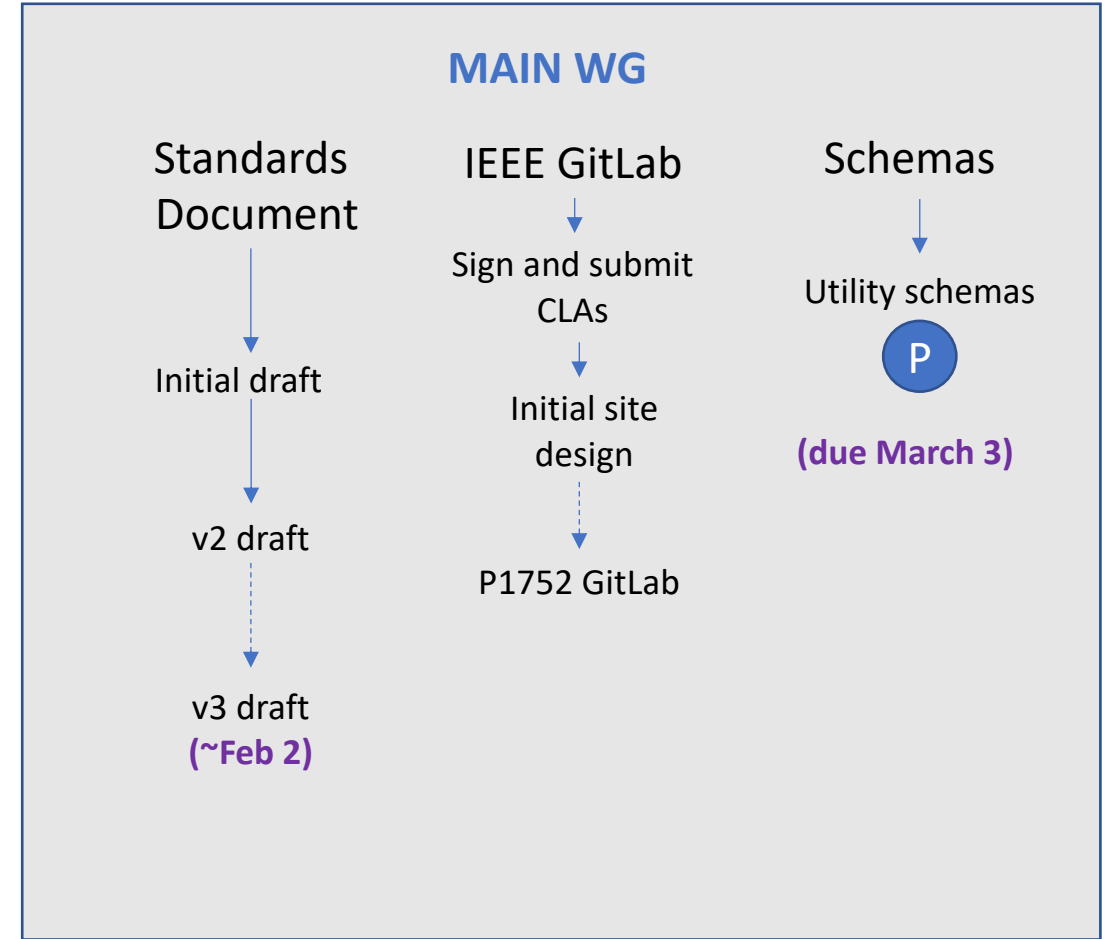
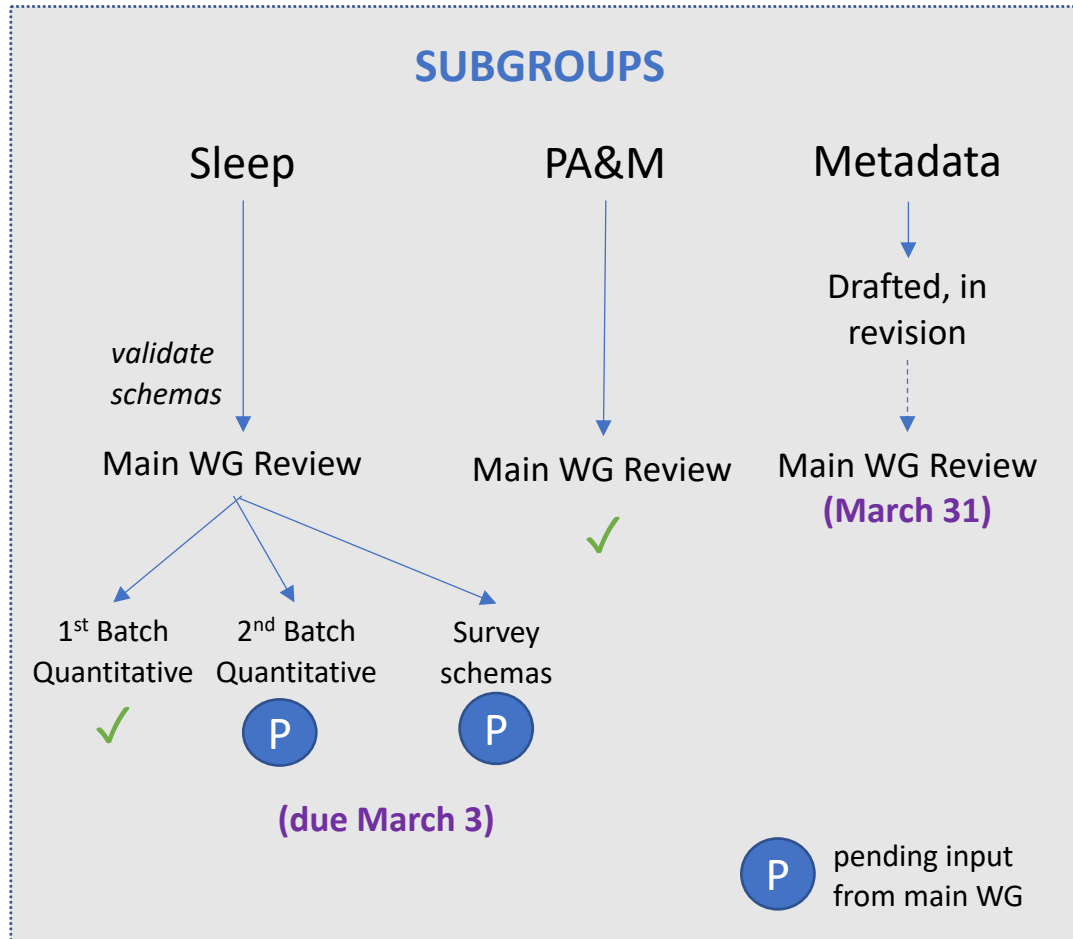
- Same review procedure as for other schemas (spreadsheet in each folder)
- Unit Value Schemas available at <https://ieeesa.imeetcentral.com/omh/folder/WzlwLDEyNDgxNTY3XQ/>
- Value Set Schemas available <https://ieeesa.imeetcentral.com/omh/folder/WzlwLDEyNDgxNjEzXQ/>
- Time-related Schemas available <https://ieeesa.imeetcentral.com/omh/folder/WzlwLDEyNDgxNjExXQ/>

# Future Work

# Timeline Proposal for Draft Review

- January 28 WG call
  - INTRO: generic survey schema (used to model example qualitative sleep schemas)  
*Reviews of all schemas introduced and of standard document due by March 3*
- March 10 WG call
  - DISCUSSION: 2nd batch of quantitative sleep schemas + generic survey schema
  - INTRO: Metadata schemas
- March 31 WG call
  - DISCUSSION: Metadata schemas
  - PRESENTATION/DISCUSSION: rest of draft ballot, processes for review, GitLab readiness, etc.
  - Voting rolls and procedures
- Presentation of full draft ballot and voting, after IEEE editorial review and approval to move to ballot

# Workstreams – send comments by March 3





# P1752 WG Steps

- Access documents and submit comments to iMeet Central
  - Contact [simona@openmhealth.org](mailto:simona@openmhealth.org) if you need assistance getting onto iMeet
- Sign CLAs and provide them to IEEE
- Let Simona know you have obtained CLA number (do not share the #)
- For entity CLAs, let me know the name of the people covered by it
- Planning for P1752 OS site in progress

# Summary of Action Items

# Future Meetings

# Upcoming Meetings

- Main WG
  - March 10, 2020: 8 AM (Pacific)
- Sleep subgroup
  - February 4, 2020 8:00 am to 9:00 am (Pacific) [note the earlier time]
- Metadata subgroup
  - February 4, 2020 9:00 am to 10:00 am (Pacific)

# Adjournment