

IEEE P2520 Working Group Meeting #16

Meeting Minutes

7 June 2022

WG Chair: Susan Schiffman

WG Secretary: H. Troy Nagle

Meeting Link: <https://ncsu.zoom.us/j/97075784277> (Password: P2520)

1. Call to Order

Chair called meeting to order at 10:05 AM EDT.

2. Roll Call and Disclosure of Affiliation

Affiliation FAQs: <http://standards.ieee.org/faqs/affiliation.html>

The Secretary reviewed the Zoom Participants list and determined that a quorum was present. Seven of the 10 voting members were present. The participants of this meeting are listed in **Attachment A**.

3. Approval of Agenda

The Chair displayed the proposed revised agenda for the meeting. Susana Palma moved approval. Radislav Potyrailo seconded. With objection to unanimous consent, the motion was approved.

4. Approval of Previous Minutes

The Minutes of the 14 June 2021 meeting were reviewed. Susana Palma moved approval. Radislav Potyrailo seconded. With objection to unanimous consent, the motion was approved.

The Minutes of the 1 November 2021 meeting were also reviewed. Susana Palma moved approval. Radislav Potyrailo seconded. With objection to unanimous consent, the motion was approved.

5. IEEE Patent & Copyright Policies

a. *Call for Patents*

<https://development.standards.ieee.org/myproject/Public/mytools/mob/slideset.pdf>

Per standard IEEE SA WG meeting practice, the Chair reviewed the required policy regarding potentially essential patents. No one raised concerns for consideration.

b. *Copyright Policy* <https://standards.ieee.org/ipr/copyright-materials.html>

Per standard IEEE-SA WG meeting practice, the Chair reviewed the required policy regarding copyrights. There were no questions or concerns.

6. Technical Discussion:

a. *P2520 Website*

The Secretary displayed the online P2520 Website (<https://sagroups.ieee.org/2520/>). All of the approved Agendas and Meeting Minutes are displayed.

b. Seminar Series

From the Website menu, the information related to the first four Seminars was demonstrated. Two more seminars are being finalized for posting. The IEEE SA has posted the seminars on their website and on YouTube. We can also explore posting them on the IEEE Sensors Council and ISOCS websites. Suggestions for future seminar topics and speakers are welcomed.

c. PAR Change approval

The Secretary reviewed the approved edits to our PAR that changed the focus from a Standard to a Guide. Those changes were approved on Feb 23, 2022. The PAR expires on Dec 31, 2023.

d. Drafting Subgroup Update

The WG Chair has asked the Secretary to form the Drafting Subgroup (approved by the WG in June 2021) to begin the process of writing the proposed Guide. The Secretary displayed a draft Table of Contents for consideration by the WG members. Members who are interested in participating should contact t.nagle@ieee.org.

e. Updates for the P2520 numbering scheme

The current version of the numbering scheme was reviewed. **See Attachment B.**

7. New Business/Activities for the Next Meeting

There was no new business.

8. Future Meetings

The next meeting will take place in Fall 2022. It was suggested to meet in person at IEEE SENSORS 2022 in Dallas, TX. Perhaps a joint meeting with P2520.1 might be productive.

9. Adjourn

The meeting was adjourned at 10:42 AM.

Attachment A: Participants (9)

NAME	AFFILIATION
Susan Schiffman	NC State University
Ehsan Danesh	Advanced Sensing Technologies Ltd.
James Covington	University of Warwick
Radislav Potyrailo	GE Research
Omer Oralkan	NC State University
Susana Palma	NOVA University of Lisbon
Troy Nagle	NC State University
Peter Hesketh	Georgia Institute of Technology
William Horn	Self

Attachment B: P2520 Standard Series Numbering Scheme

P2520: Guide for Testing Machine Olfaction Devices & Systems (Chair: Susan Schiffman)

P2520.1: Standard for Baseline Performance (Chair: James Covington)

Level 1 - Differentiation: Separating chemicals A, B, C, and neutral (clean) air.

Level 2 - Recognition: Identify three chemicals, with two replica sets of A, B, C, and neutral air.

Level 3 - Quantification: Specify the concentration of chemicals A, B, and C in neutral air.

P2520.2 --> Guide: Outdoor Odor Nuisances and Pollutants

P2520.2.1: Standard for General Outdoor Air Odor (Chair: Ehsan Danesh)

P2520.2.2: Standard for Landfill Odor (Chair: Susan Schiffman)

P2520.2.3: Residential Water Supply (Potential Chair: Krishna Persaud)

P2520.2.4: Sewage Treatment (outdoor and downwind)

P2520.2.5: Animal Confinement (outdoor and downwind)

P2520.2.6: Travel-Based Air Pollution (automotive/rail/planes)

P2520.2.7: Workplace Satisfaction

P2520.3 --> Guide: Indoor Odor Nuisances and Pollutants

P2520.3.1: Standard for General Indoor Air Quality (Ehsan Danesh)

P2520.3.2: Refrigerator Food Spoilage

P2520.3.3: Cooking/Oven Odors Monitoring

P2520.3.4: Kitchen Odors

P2520.3.5: Bathroom Odors

P2520.3.6: Basement Mold

P2520.3.7: Workplace Satisfaction

P2520.4 --> Guide: Industrial Application Odors and Quality Control

P2520.4.1: Standard for Chemical Manufacture (Susana Palma)

P2520.4.2: Petroleum Refinement

P2520.4.3: Paper Mills

P2520.4.4: Animal Rendering

P2520.4.5: Perfumery

P2520.5 --> Guide: Personal Health and Hygiene

P2520.5.1: Body Odor

P2520.5.2: Breath Odor

P2520.5.3: Foot Odor

P2520.5.4: Hair Odor

P2520.6 --> Guide: Safety Protection

P2520.6.1: Electrical Short-Circuit Odor

P2520.6.2: Gas Leaks (gasoline, pipelines, natural gas)

P2520.6.3: Fire Odor Alarms

P2520.6.4: Animal Confinement Structures (animal and operator safety)

P2520.7 --> Guide: Medical Odor Applications

P2520.7.1: Cancer Detection

P2520.7.2: Sensory Impairment Quantification

P2520.7.3: Hospital Patient Room Air Quality

P2520.7.4: Pharmaceutical Quality

P2520.7.5: Allergy Alerts