

**IEEE P2520.1 Working Group #32**

## Meeting Minutes

15 July 2024

WG Chair: James Covington

WG Secretary: H. Troy Nagle

**1. Call to Order**

Chair called meeting to order at 10:08 AM EDT. He announced that the meeting was being recorded for the purpose of preparing minutes. However, the recording option failed to initiate.

**2. Roll Call and Disclosure of Affiliation**

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

The Chair asked the Secretary to check for a quorum. The List of Participants is shown in **Attachment A**. A quorum was achieved (12 of the 15 voting members were present).

**3. Approval of Agenda**

The Chair asked for approval of the agenda. Troy Nagle made the motion; Duke Oeba seconded. Without objection to unanimous consent, the motion was adopted.

**4. Approval of Previous Meeting Minutes**

Minutes for WG#31 were considered. The Chair asked for approval of the previously circulated minutes. Paul Kagan moved for approval; Christopher Jensen seconded. Without objection to unanimous consent, the motion was approved.

**5. IEEE-SA 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 displayed 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 displayed the required policy regarding copyrights. There were no questions or concerns.

**6. Extension of the PAR**

Our currently approved Project Authorization Request expires on 12/31/2024. A two-year extension has been requested. It will be considered by RevCom/NesCom at their next meeting. Our requested extended timeline calls for standard completion by Summer 2025 and balloting in late 2025 or early 2026.

**7. Feedback on the Standard**

Version 19.2 was sent to Laura Capelli, Jan Mitrovics, and Santi Marco. They have agreed to review the document but have not yet responded. The Chair has included additional feedback from the WG, and version 19.3 is now available. WG members can request a copy from the Chair.

## 8. Testing of the Standard

The Sensors Council Standards Committee has secured funding to support testing of our standard. Warwick (James Covington), ENEA (Ettore Massera), and Aryballe (Cyril Herrier) have agreed to conduct initial experiments. Portions of the standards will be tested. The Scope of Work is being negotiated with IEEE and Warwick.

Warwick will use autosamplers, ENEA will use gas flows. Aryballe has completed some test runs using GROUP 4 and GROUP 5 chemicals: 3 VOCs x 3 cycles at 3 humidities (45%, 55%, 65%) and at 3 temperatures (17°C, 22°C, 27°C), with randomized injections. The Silhouette Score for GROUP 4 was 74.3%; for GROUP 5, 77.5%. More details will be discussed at our next WG meeting.

## 9. New Business/Activities for the next meeting

There was no New Business.

## 10. Future Meetings

The Chair announced that the next meeting (WG#33) will take place on Monday, September 9, at 10:00 AM EDT.

## 11. Adjourn

The hour having past, the Chair adjourned the meeting at 11:11 AM.

## Attachment A: Participants (14)

NAME	AFFILIATION
Carlos Diaz	Ambiente et Odora
Christopher Jensen	Self
Cyril Herrier	Aryballe
Duke Oeba	Egerton University, Kenya
Ettore Massera	ENEA
Fengchun Tian	Chongqing University
Hua-Yao Li	Huazhong University of Science and Technology, Wuhan, China
James Covington	University of Warwick
Krishna Persaud	University of Manchester
Paul Kagan	AWLDM Systems
Radislav Potyrailo	GE Research
Sandrine Isz	Alpha-MOS
Saverio De Vito	ENEA
Troy Nagle	North Carolina State University