

**IEEE P2520.1 Working Group #13**

Meeting Minutes

25 April 2022

WG Chair: James Covington

WG Secretary: H. Troy Nagle (Interim)

Meeting link:

<https://ieeesa.webex.com/ieeesa/j.php?MTID=md0982f6cdb26d8456cea079bb85585f8>

**1. Call to Order**

Chair called meeting to order at 10:03 AM EDT. He announced that the meeting was being recorded for the purpose of preparing minutes.

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

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

The Chair asked the participants to sign-in at this link:

[https://docs.google.com/spreadsheets/d/1x3Le7jd\\_5h3bgiNcYMZIfjIbzE2XdE0U8Daon00O8Ks/edit#gid=0](https://docs.google.com/spreadsheets/d/1x3Le7jd_5h3bgiNcYMZIfjIbzE2XdE0U8Daon00O8Ks/edit#gid=0).

The Chair asked the Secretary to check for a quorum. No new members were participating. The List of Participants is shown in **Attachment A**. A quorum was achieved (15 of the 19 voting members were present).

**3. Approval of Agenda**

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

**4. Approval of Previous Meeting Minutes**

The Chair asked for approval of the March 28 Meeting Minutes as circulated. Krishna Persaud made the motion; Radislav Potyrailo seconded. Without objection to unanimous consent, the motion was adopted.

**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 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 Presentation:**

The Chair announced that no special technical presentation would take place. Instead, major focus for this meeting was:

- Update of activities undertaken in April

- Further updates on standard version v16.3
  - Focusing of additions to pre-test steps
  - Updates of Level 1 and Level 2 pass criteria

The Appendix that will contain the list of test chemicals, and the specifications of thereof, was considered. The operator can choose any method to provide the required gas samples at the required concentrations as will be published in the Appendix. However, a concentration confirmation measurement technique for the gas samples applied to the EUT shall be reported by the operator. The current plan is to have some general entries that anyone could use to pass the standard. In addition, some more specific combinations will be included for application categories like General Outdoor Air and Chemical Manufacture. We will return to this topic once Level 3 (Quantification) is completed. Prior to that we need to bring in an expert on the physics of gas compressibility. Airgas in the US has experts in this field and will be invited to one of our future meetings. In building the chemical list in Appendix, we will search for chemicals that are available in cannisters. If cannisters for a desirable chemical are not available, we can approach Owlstone in the UK about using permeation-tube gas sources. Members of the WG have used Airgas and Owlstone as sources in the past. We will invite both companies to deliver presentations in our seminar series.

## 7. Discussion of Current Draft

Next the Chair focused the discussion directly on working draft v16.3 of the standard. He shared his screen and the WG made suggestions for specific text updates. This continued through Level 1 (Differentiation) and Level 2 (Recognition).

Next steps: At our next meeting, we will consider Level 3 (Quantification). The Chair will send out a revised copy and highlight some specific sections that he would like WG members to review at our next meeting.

## 8. New Business/Activities for the Next Meeting

There was no New Business.

## 9. Future Meetings

The Chair announced the next meeting of the WG will take place on May 23.

## 10. Adjourn

The meeting time-period having expired, without objection to unanimous consent, the Chair adjourned the meeting at 10:58 AM.

**Attachment A:** Participants (16)

<b>NAME</b>	<b>AFFILIATION</b>
Carlos Diaz	Ambiente et Odora
Christopher Jensen	Self
Cyril Herrier	Aryballe
Duke Oeba	Self, Oregon State University
Etienne Bultel	Aryballe
Fengchun Tian	Chongqing University
Hua-Yao Li	Huazhong University of Science and Technology
James Covington	Professor, School of Engineering, University of Warwick
Katayoun Emadzadeh	Self
Krishna Persaud	University of Manchester
Paul Kagan	AWLDM Systems
Radislav Potyrailo	GE Research
Sandrine Isz	Alpha-MOS
Susan Schiffman	NC State University
Susana Palma	NOVA University of Lisbon
Troy Nagle	NC State University