

IEEE P2520.1 Working Group

Meeting Minutes

2 June 2021

WG Chair: James Covington

WG Secretary: H. Troy Nagle (Interim)

1. Call to Order

Chair called meeting to order at 10:05 AM EDT. He announced that the meeting is 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 directed participants to this link

(https://docs.google.com/spreadsheets/d/1x3Le7jd_5h3bgiNcYMZIfjIbzE2XdE0U8Daon00O8Ks/edit?usp=sharing)

in the Chat window. All participants were asked to enter their attendance by inserting a M for members and NM for non-members. New members were asked to include their affiliations and contact information. A few minutes were allowed for participants to access and complete the registration process. A quorum was not achieved early in the meeting. The participants of this meeting are listed in [Attachment A](#).

3. Approval of Agenda

Although there was no quorum, without objection the Chair continued with the agenda that had been sent earlier by email to the attendees.

4. Approval of Previous Minutes

Approval of the Minutes from our prior meetings was postponed until later in the meeting.

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:

At this point, the Chair opened a discussion of the draft standard under development. First, he reviewed the P2520.1 Standard Ethos. The Standard MUST:

- Be universal to all of the odour/ VOC analysis devices currently available and will be available in the foreseeable future.
- Clearly define what devices the standard will cover.
- Be easy to implement without the need of expensive facilities, for example, no permeation tube system.
- Be able to purchase/acquire test chemicals at the required concentrations with ease.
- Use chemicals that are low risk to those conducting the tests. Thus, tests can be performed equally in an academic or industrial setting.
- Not be difficult to pass. We need to have companies and academics use the standard. It is the starting point and other standards will be more challenging.

Next the Chair reviewed the following table of reference standards prepared by Ehsan Danesh:

Standard Body	Number	Title	Status
NTA (Netherlands)	9055:2012 nl	<i>Air quality - Electronic air monitoring - Odour(nuisance) and safety</i>	Published (Nov 2012)
UNI (Italy)	11761:2019	<i>Odour determination using /OMS (Instrumental Odour Monitoring Systems) and their qualification</i>	Published (Oct 2019)
CEN (EU)	TC 264/WG 41	<i>Emissions and ambient air-Instrumental odour monitoring</i>	Ongoing
VDI/VDE (Germany)	3518 Part 3	<i>Multigas sensors - Odour-related measurements with electronic noses and their testing</i>	Published (Dec 2018)
IEEE (US)	P2520 series	<i>Standard for Testing Machine Olfaction Devices and Systems</i>	Ongoing

After considering the suggestions that came forth from the WG since our last meeting, the Chair suggested that the following changes to our approach should be evaluated:

- Were we creating too many levels/stages?
- Should we focus on lab-based experiments?
- There are difficulties in making the standard too generic.
- What can we learn from other standards?
- We are unique as we will have a group of standards rather than a single one.
- P2520.1 needs to leave space for the following standards to be more specific.
- More discussion with other P2520 series WG chairs is needed.

- Should we propose to just have three levels?
- Shall we focus on three different aspects of EUT?
 - o Differentiate - Level 1
 - o Identify - Level 2
 - o Quantify - Level 3
- What are the common requirements of odour devices?
- Shall we place more focus on making the setup more specific, rather than the test itself?
- Do we want more options of the nature of tests, rather than just the choice of chemical odorants?

Following these discussions, the Chair opened version 6 of the draft standard as posted on iMeet Central and conducted a section-by-section review and edit session. This continued to the end of the meeting. The chair will post version 7 of the draft standard for WG review in a few days.

3. Agenda Approval and 4. Prior Minutes Approval (revisited)

At this point, several more voting members had joined the meeting and a quorum (11 of 21) was present. Troy Nagle moved that today's Meeting Agenda and the Minutes of the past three meetings be approved as distributed. Susana Palma seconded. Without objection, the motion passed unanimously.

7. New Business/Activities for the Next Meeting

There was no new Business.

8. Future Meetings

The Chair announced the next meeting of the WG will take place on June 28.

9. Adjourn

Without objection, the Chair adjourned the meeting at 11:13 AM

Attachment A: Participants (15)

Christopher Jensen
Duke Oeba
Ehsan Danesh
Etienne Bultel
Fengchun Tian
James Covington
Katayoun Emadzadeh
Ko Chung Wong
Paul Kagan
Radisav Potyrailo
Sandrine Isz
Susan Schiffman
Susana Palma
Troy Nagle
Vanessa Lalitte, IEEE Staff