

# Minutes

## ASHRAE SSPC 52.2

MOT - General Ventilation Air-Cleaning Devices for Removal Eff. by Particle Size  
 June 22, 2025, 9:00:00 AM– 12:00:00 PM MST Sheraton Phoenix Downtown, Encanto a (Level 2)

**Votes: Font is Bold, Black**  
**Task Groups: Font is Bold, Blue**  
**Action Items: Font is Bold, Red**

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- 1) Call to Order – 5 min ✓
- 2) Chair Remarks – 3 min ✓
  - a) ASHRAE Value Statement - “In ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, inclusiveness and respect for others, which exemplify our core values of excellence, commitment, integrity, collaboration, volunteerism and diversity, and shall avoid all real or perceived conflicts of interest. Our culture is one of inclusiveness, acknowledging the inherent value and dignity of each individual. We celebrate diverse and inclusive communities, understanding that doing so fuels better, more creative and more thoughtful ideas, solutions and strategies for the Society and the communities our Society serves. We respect and welcome all.”
- 3) Roll call for voting committee members - 7 min ✓

Current 2025					
	Name	PCVM	Roll-off date		
				User	4
				General	5
1	Todd McGrath - C	1	6/30/2025	Filter Manu	6
2	Mark Tucker - VC	0	6/30/2025	Media Manu	4
3	Jenny M Berens - Sec	1	6/30/2025	Filter Manu	<b>19</b>
4	Sanjeev Hingorani	1	6/30/2025	User	
5	Rahul Bharadwaj	1	6/30/2025	Media Manu	
6	Gemma Kerr	1	6/30/2025	General	
<b>Quorum:</b>					
At least 2/3 affirmative vote of those voting, (Yes + No)					
					<b>13</b>
7	Jim Rosenthal	1	6/30/2026	User	
8	Brandon Boor	0	6/30/2026	General	
9	Bobby Singer	1	6/30/2026	General	<b>15</b>
10	Brian Krafthefer	0	6/30/2026	General	
11	Marisa Jimenez-Segovia	1	6/30/2026	Filter Manu	
12	Jeni Wong	1	6/30/2027	Filter Manu	
13	oberta MacGillivray (NAF)	0	6/30/2027	General	
14	Terri Self	1	6/30/2027	Media Manu	
15	Russell Baldinger	1	6/30/2027	Filter Manu	
16	Hwakong Chen	1	6/30/2028	User	
17	Thad Ptak	1	6/30/2028	User	
18	Ashley Scott	1	6/30/2028	Media Manu	
19	Jon Rajala	1	6/30/2028	Filter Manu	

- 4) Website – Todd McGrath – 3 min ✓
  - a) <http://sspc522.ashraepcs.org/> to find agendas, minutes, MERV 17 Letter
- 5) Review of this agenda – 3 min ✓
- 6) Review of “Draft” Orlando 2025 Minutes – 5 min ✓
 

**Bobby motions. Jenni seconds, Pass: 15/0/0/CV**
- 7) Membership – 5 min ✓

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Jenny Chair: 4 yrs, Todd VC: 2 yrs, Crystal Sec: 2 yrs.

Kathleen: “SPLS changed rules a while back (4-5 yrs ago); 3 yrs/position.

8) Liaison Report – Dr. Bill Healy [william.healy@nist.gov](mailto:william.healy@nist.gov) – 5 m ✓

- Standards striving to standardize & harmonize, especially between similar types of standards.
- Continuous Standard: should have addenda added at least every 2<sup>nd</sup> year. Otherwise Periodic Standard.

9) 62.2 & 62.1 Liaison report – ~~Vijay / Wane Baker~~ / Randy Cooper – 5 min ✓

Jon, 62.2:

- Filters more to protect equipment, not people. BUT better filters are wanted.
- Moved from MERV6 to MERV11 over recent years. Would like to move to MERV13 if possible for all equipment (mini splits).
- Want to enforce a 5-year timeline to redesign systems (remove mini splits) to accommodate better filters.
- Will come up with a public review looking @ pressure drop data (RT curve) for 1-inch, 2-inch, and 4-inch.
- Also looking at MERV11A, MERV13A, etc. (flat filter, mini pleats, etc.)
- More data is wanted.

a) Any other known Standards Involving 52.2 to report – No ✓

10) Open Action Items – 126 min

a) ANSI Reprint – 2 min ✓

i) “Should be available by the meeting” ✓ Yes, available in Bookstore (8 copies)

- Todd asks to find most “easter eggs” on test report sample page. Email answer to Todd. Most right gets \$50 Starbucks gift certificate at meeting in Lase Vegas, Winter 2026.
- Jenny brought first bought copy from ASHRAE bookstore. Standard placed at incorrect table, but was corrected..

b) Redefine the Classification terms “User, General, Media & Filter Manufacturer” – 46 min

i) Current def. of Classifications are not clearly defined enough and need editing

ii) Manufacturer/Filter: individual is employed by a company that produces finished air filtration products using base air filtration media as one of the components. (52.2)

iii) Manufacturer/Media: individual is employed by a company that produces base air filtration media only. (52.2)

iv) USER - A member who represents the interest of those that purchase or use materials, products, systems, or services other than for household use covered in the project scope.

v) GENERAL - A member who cannot be categorized in any other approved interest category covered in the project scope.

- Jim: “What is the purpose? Intent is to have a committee that is independent and not biased, which ensures that we develop a standard that is independent and not biased.”
- Kathleen: “If we revise, we will have a lot more paperwork. Maybe change to ‘other than household use’ or ‘other than personal use’. An apartment complex owner, for example, will be changing all the filters. User  $\neq$  using standard. User = using the filter.”
- Todd: “How do we get the right people into the committee?”

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- Dan: "Ex. Vacuum cleaner manufacturers drive the standard. What is the benefit to have the standard then?"
- Question: "How do we exactly define User?"
- Todd: "User = distributor"
- Don: "User = bought filter and put it in the system. Mfg & distr are often the same and end-goal is to sell filters. Hard to get "user" to spend the money to go to conferences."
- Todd: "How do we widen the group?"
- Don: "This is a discussion we have had for 25 years."
- Question: "Is user the Lab? We have 3 labs attending. Labs are usually in the General category."
- Jenny: "Can the user be the user of the standard itself? Data is the product, not the filter?"
- Jon: "170 facilities calls for voting design engineers and they get more users that way."
- Mark: "Encouraged to come to meetings to learn what MERV/MERVA can and cannot do."
- Jon: "Pool of people are already here. We are all liaisons."
- **Kathleen: "Ask staff liaisons to get request for users into newsletter: call for users. We keep trying."**
- Todd: "Should definitions be changed?" Asking VMs – 4 VMs indicate yes (hand rising).
- Jenni: "Is there a disagreement what the categories mean? Ex. End User vs. Distributor?"
- Gemma: "Add 'test lab and academics' into General Category?"
- Marisa: "Can we add examples to make interpretation clearer?"
- Sanjeev: "Ex. If HVAC mfg but NOT filters, then user."
- Jim: "Terma re not clearly defined. I was mfg. then reapplied as user, I purchase other companies filters & all 23,000 are end users. Need to understand the need for the end-user. Unbiased committee is the goal."
- Maris: "In favor of 4 categories, add examples to help with common sense, majority of business is media or filter mfg."
- Todd: "Yes, main problem is switching between categories.. Sometimes change depends on ASHRAE staff changes."
- Evan Sparks: "Do we consider the committee unbiased?" (No answer)
- Jenni: "It will never be perfect. Have to trust the committee."
- Kathleen: "Why change something that is not working?"
- Jon: "Equipment same as filter?"
- Jenny: "Good mfg always listen to the end-customer."
- Dan Miller: "Anything that goes into filter, then you are a filter mfg. So you are either a mfg or not (general interest). That leaves 2 categories."
- Todd: "Issue is that we will never get enough VMs or a good balance. VMs still listens to non-VMs."

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- Bobby: “Committee should make a decision. How does reclassification work? Committee should be able to vote on upcoming roster.”
- Don: “Used to be the Chair’s decision.”
- Marissa: Makes a motion to keep current description and add examples
- Todd: “Make up examples right now?”
- Gemma: “We do not have time.”
- Todd: “We will generate 4 examples”
- Jenny: “Can Marissa champion a group that will accept & include the small proposed changes and add examples for the next meeting?” Yes
- Terri: “Came back with the proposal and we can vote on that in the next meeting.”
- Vote: **11/3/0/CNV**

### c) Interpretation request – 22min

- i) “The application’s upper limit airflow **must** align with one of the seven (7) face velocities.”
- Keep answer limited to the bare minimum and exactly what is stated in the standard.
  - Sanjeev: “Recommendation is to use the closest standard airflow that does not exceed the limit of the system.”
  - Ashley: “Why do we stick to test limits? Why not MERVxx at flow rate yy?”
  - Don: “Intent for test is to generate an apples-to-apples comparison, not to try to establish what will happen in a specific application. Option for the user is to run it where the majority of the customer basis wants to run it and there are 7 options.”
  - Todd: “Upper limit of APPLICATION RANGE””
  - Jon:” Customer canrun at whatever airflow they would like, but a RATING needs to be one of the 7 defined flows.”
  - Don: ”People ask for modifications to the standard all the time. Users often don’t know the flow rate. Customer might get a better guidance when product is tested at non-standard flows, but the report then needs to be clearly labeled as a modification of the standard.”
  - Kathleen: “As long as the airfilter can be rated”
  - Jim:” wording needs to be for filter test, not application”
  - Jenny: “If customer changes the flow, they may as well start changing dust type, temperature and humidity ranges, etc. Application parameters will also change from day to day.”
  - Gemma: “This would entail rewriting the standard.”
  - Todd: “Closes air flow is 246 – closest to limit and not past the application range.”

Proposal “Based on your application limit of 260, you need to test your filters at 246 according to the standard.”

- Gemma: “Motion to approve.”
- Jenny: “Second.”

**13/0/1/CNV**

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### BREAK

- **Jon offers to step into 52.2 Secretary role. Terry Self has already showed interest** (Todd informed Jenny prior to meeting & Jenny forgot. Topic was discussed and rectified after meeting).

- 

d) Youtube videos. “Explain MERV” - WG: Zied D, Marisa J-S, - 12m

i) Need to remove Logos

ii) Rewrite to highlight Purchasing the Document from ASHRAE Bookstore

- **Todd: “Link to video no longer works.”**
- **Marissa will reach out to Ziad to check status before the next meeting.**

e) Jenny Berens - WG “Rewrite 52.2 to incorporate RP 1784 to make standard easier to interpret and lower cost to run. – 4 min ✓

i) New Champion ✓

**Do volunteers to take over**

ii) ~6ish members, the rest to stay informed ✓

**Jenny already sent out informative email to previously selected/defined team. Resent to Don during meeting to ensure he has the member email addresses.**

Time Check – Break

**Ashley motions to adjourn.**

**Jenni seconds.**

f) Thad Ptak - Instrument Accuracy – 31 min ✓

i) Letter sent to labs

ii) Presentation

### **Presentations to be added to Basecamp**

~~g) Public Review Comments (Vijay) – 9 min~~

~~i) Isokinetic sampling vs isokinetic velocity~~

~~ii) OPC Calibration move to Appendix~~

~~iii) Propose a scheme for adding confidence limits to the reported results~~

~~(1) Linked with/to include Thad’s research and Ashley’s variability statement~~

11) New Business – 18 min ✓

a) Variability Statement - Ashley Scott – 12 min ✓

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i) Reporting back on task group

- Committee recommends continued work on this topic
- Dan (?), Terri and a couple of other committee members are involved

~~b) x min~~

~~i) —~~

c) PP Keith – 4 min ✓

i) Particle Excitement:

7PM, Miel De Agave Pheonix, 705 N 1<sup>st</sup> St.

12) Adjourn 52.2 Main meeting

- Ashley motions to adjourn
- Jenni seconds

13) SSPC 52.2 Research – Jon R – 10 min

a) Update on current projects

- 1948: Any interest in participating? Jon can help move along. Doc needs revised and resubmitted. PMS Committee will monitor and help. See Jon for more information or to sign up.