

# DRAFT Agenda

## ASHRAE SSPC 52.2

MOT - General Ventilation Air-Cleaning Devices for Removal Eff. by Particle Size  
January 29, 2022 8:00:00 AM– 12:00:00 PM PST - Caesars Palace, Imperial Boardroom (P)  
<https://events.rdmobile.com/Sessions/Details/1263529>

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

Secretary's notes in Aqua or Red, written 1/29/2022, edit 1 1/30/2022

©2021 ASHRAE. All rights reserved. This is a draft document for review only by the cognizant ASHRAE groups and other designated reviewers and is not intended for distribution to any private interests, individuals, or third parties that are not designated as ASHRAE reviewers for this document. This document may not be distributed in whole or in part in either paper or in digital form without the express permission of the chair of the committee originating this document.

The appearance of any technical data or editorial material in this draft document does not constitute endorsement, warranty, or guaranty by ASHRAE of any product, service, process, procedure, design, or the like, and ASHRAE expressly disclaims same.

- 1) Call to Order – 5 min
- 2) Chair Remarks – 10 min
  - a) Code of Ethics - “As members of ASHRAE or participants in ASHRAE activities, we pledge to act with honesty, fairness, courtesy, competence, integrity and respect for others in our conduct. We will avoid conflicts of interest, and behavior that is discriminatory and/or harassing.” For more, read here: <https://www.ashrae.org/about/governance/code-of-ethics>
  - b) ASHRAE Commitment to Care - The health and safety of all ASHRAE conference attendees is a top priority. Out of respect for our fellow attendees, we commit to wear masks indoors, monitor our health, seek medical attention if symptoms develop and adhere to all ASHRAE Commitment to Care protocols. We are committed to the well-being of one another.”
- 3) Roll call for voting committee members - 5 min  
16/20 voting members present (9 in person, 7 virtual)
- 4) Review of this agenda – 1 min
- 5) Review of “Draft” June 2021 Minutes – 1 min  
June 2021 Minutes approved  
(Y-N-Abst-Absent-Tot) (15-0-1-4-20) CNV
  - a) <http://sspc522.ashraepcs.org/> to find minutes, agendas
- 6) Membership – 5 min
- 7) Website – Todd McGrath – 3 min  
Updated & all info present.  
Members and public please download information as needed
- 8) Liaison Report – Jerry Kettler [gikettler@air-engineer.com](mailto:gikettler@air-engineer.com) – 5 m  
Not present, no update given
- 9) 62.2 & 62.1 Liaison report – Vijay / Wane Baker (not present) – 5 min  
No current updates. Agenda is still under discussion.
- 10) Open Action Items – 45 min
  - a) Charge Durability Index (CDI) WG: Jim, Vijay – 20 m  
Vijay virtually presented the idea to compare flat-sheet media using already well-established, readily available, and understood NIOSH method (oil aerosol)  
Jim asked for guidance from committee to gauge interest and to generate path forward. Intent is to expand the group to support. 2 groups generated after discussion.  
**Group 1: Collect and analyze existing data. Potentially generate new data through blind-test. Look for people/companies to perform test.**

# DRAFT Agenda

## ASHRAE SSPC 52.2

MOT - General Ventilation Air-Cleaning Devices for Removal Eff. by Particle Size  
January 29, 2022 8:00:00 AM– 12:00:00 PM PST - Caesars Palace, Imperial Boardroom (P)  
<https://events.rdmobile.com/Sessions/Details/1263529>

**Group 2: Look at application to filter after Group 1 has started and potentially concluded work.**  
**Roberta & NAFA**

- b) Revisions to Normative Appendices / Consistency Check: WGA - **Vijay, Jon R, Mike C**
- c) Consistency Check : WGB - **Gemma, Don T, Zied D, Brian K**  
In progress: Gemma and Brian in process of submitting data.  
**Plan:** Initial proposal to be submitted to Vijay's group within the next 1-2 months with the final proposal hopefully by Toronto. Worst case scenario, republishing Summer 2023.
- d) YouTube videos. 1) Explain MERV table, 2) MERV 17-20 don't exist **WG: Zied D, Marisa J-S,** Funds exists, but contents has not been established. Hopefully content ready within the next months and something to share in Toronto.
- e) Update on Adden C – Bioaerosol Efficiency Testing – Matt Middlebrooks, Kathleen Owen, Gemma Kerr  
Update has been published. Extremely quick turnaround, very impressive. Only one (positive) comment during the public review window, recommending using a negative pressure drop duct.
- f) ASHRAE Definitions – Gemma K, Jeff S  
**Proposed changes. TC 1.6 (Terminology Committee)**  
In process to approve all Jeff's proposed changes.

### 11) New Business – 45 min

- a) Positive vs. Negative Duct Pressure  
See items 10e and 14
- b) U.S. DOE - Initiating rulemaking activities to consider potential test procedure and energy conservation standards for consumer air cleaners.
  - i) <https://www.federalregister.gov/documents/2022/01/25/2022-01035/energy-conservation-program-test-procedure-and-energy-conservation-standards-for-consumer-products>
- c) Other  
New 52.2 Chair tanks Immediate Past Chair for support in transition.  
No other items added.
- d) Keith Chesson – Discussion of Special Convening Authority  
Virtual party after 2.4.  
Special in-person Particle Party to be determined.

### 12) Adjourn 52.2 Main meeting

**Mike adjourns**  
**Jim seconds**

### 13) SSPC 52.2 Research – Jon R – 30 min ✓

- a) IPA Vapor changes – impact on different fibers. RTAR **Champion: Chrystal Jolliffe with Phil Winters, Jon Rajala, Marquita Beard, Keith.**  
Chrystal has submitted the RTAR through 2.4 research sub-committee meeting.  
Charge Neutralization – RTAR Champion: **Bruce with Keith, Don, Vijay.**  
Not much interest to move forward. Recommend to take off agenda for the future.
- b) *Research Chair requests ideas for other research 52.2 would like to capture in meeting notes*

# DRAFT Agenda

## ASHRAE SSPC 52.2

MOT - General Ventilation Air-Cleaning Devices for Removal Eff. by Particle Size  
January 29, 2022 8:00:00 AM– 12:00:00 PM PST - Caesars Palace, Imperial Boardroom (P)  
<https://events.rdmobile.com/Sessions/Details/1263529>

- c) Jim discusses several independent studies from reputable sources/labs/scientists reporting unexpected findings. Simple box fan, controlled experiment, good equipment, several filters, simple test which has produced data indicating that MERV 13 filters (4-5 x 20"x20"x2") outperform HEPA filters.

Data is published as pre-print.

**Jim to send publication to Todd for distribution to 52.2.**

### 14) PMS update on 1784-RP ✓

**Matt & Kathleen:** Very close to completion, with the exception of the App J testing. Waiting for 1 more commercial independent Lab to send the data (to reach at least 2 labs). Hopefully ready to report at the next meeting. Data analysis will produce a number of suggestions for changes & update to the addenda.

- Correlations look really, really nice.
- Positive vs. negative duct will show up in report. (Have found that some run a negative pressure duct, rather than the positive dictated in 52.2.) Data does not indicate that pressure preference impacts results.
- QA impact unknown.
- A 6 month extension requested. – waiting for 1 more lab.
- Might need to write report w/o data from the missing lab if not received within ~2 months. Then analyze and report. Hopefully reported in next meeting. Pretty tight time-line to make the republishing date (re-write, public review, etc.). Would like to look at reworking test.

### 15) Adjourn Research

**Matt: Moves to adjourn**

**Todd: Seconds**

### Attendees

Ashish Gadhave	Eavan Sparks	Keith Chesson	Ray Rite
Bob Burkhead	Ed Janowick	Kevin Kwong	Robert Glass
Bob McAfee	Gemma Kerr	Marisa Jimene de Segovia	Roberta MacGillivray
Bobby Singer	Geoff Crosby	Mark Davidson	Sanjeev Hingorani
Brian Krafthefer	Greg Baker	Matt Ball	Scott Grefsheim
Bruce McDonanld	Greg Wilkerson	Matt Middlebrooks	Scott Paris
Caitlin Naske	Jeni Wong	McKenzie Rockford	Steve Brown
Chris Fischer	Jenny Berens	Micheal Corbat	Thad Ptak
Chris Huges	Jim rosenthal	Mick Flom	Tim Ahn
Chrystal Jolliffe	Joel Davis	Mike Harriman	Tim Johnson
DJ park	Jon Rajala	Mike Popielec	Todd McGrath
Don Thornburge	K J Choi	Oscar Ricano Consejo	Tom Justice
Donna Kasper	Kathleen Owen	Rahul Bharadwaj	Vikram Pratap
			Wane Baker