



Draft Meeting Agenda - ASHRAE MEETING – Summer 2022
TC 2.3 - Gaseous Air Contaminants/Removal Equipment
TC Meeting

6/28/2022

Sheraton, Birchwood Ballroom (M)

1:00:00 PM– 3:30:00 PM Eastern Time (ET)

Meeting Link: <https://ashrae.webex.com/ashrae/j.php?MTID=m43400a401c67f10bf53d0eb717f54e5f>

Access Info: Meeting number: 2343 089 7505 Password: TC2.3 Join by phone 18662994153 United States of America Toll Free +14702385742 US Toll Access code: 2343 089 7505

1. Call to order:

2. ASHRAE Code of Ethics

The ASHRAE Code of Ethics is to be adhered to by those doing ASHRAE business whether or not they are an ASHRAE member. The Code of Ethics can be reviewed at the below link.

<https://www.ashrae.org/about-ashrae/ashrae-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.

3. Ask virtual members and guests to use the chat feature to enter their Name, Affiliation, Email Address, and YEA designation (if applicable) for meeting attendance records.

4. Chair's Report

1. Update from TC breakfast training

2. ASHRAE Journal Newsletter (bimonthly) will remind our members to check the listing and to provide a link to the list

a. Basecamp:

i. <https://www.ashrae.org/technical-resources/technical-committees/tc-training-and-presentations>

b. AWARDS (Due date – September 1)

i. ASHRAE GEORGE B. HIGHTOWER TECHNICAL ACHIEVEMENT AWARD

ii. SERVICE TO ASHRAE RESEARCH AWARD

5. Reporting from ASHRAE liaisons.

6. Review and Approval of previous meeting minutes: **TC 2.3 website link:** <https://tc0203.ashraetcs.org/>

7. Items to be Voted on:

i. RTAR: "The Effects of Filtration and Air Cleaning on Health & Safety" (Distributed by Marwa Z on June 13, 2022).

ii. Chapter 47 revision 'K' of the chapter 47 in the HVAC Applications Volume (distributed by Brian K on June 4, 2022)

8. Get an update on:

iii. Matt Middlebrooks (WS-Lead Author) commented that WS 1928 was accepted with comments August 2021. WS was revised and sent to TC 2.3 Voting Members January 2022.

| # | Motion | Vote (For-Against-Abstain-Absent-Chair Voting Status) |
|---|--|---|
| 1 | New Standard Proposal: Method of Test for Assessing the Gas-Phase Performance of Air Cleaning Devices and Systems in a Duct-Chamber Apparatus. | (12-0-0-1-1) |
| 2 | WS 1928: Improving biological efficacy test methods to measure in-room air cleaner performance against airborne pathogens (see table below) | (13-0-0-0-1) |

Summary of Existing and Proposed Test Methods:

| Title | Surface or Air | Target Pollutant | Test setup | Single pass versus multiple pass | Technology | Status |
|---------------------------|---------------------|---|-------------------------|----------------------------------|--|--|
| 145.2 | Air | Gases | Duct | Single pass | Sorbent-Being updated to apply to EACs. | Established Standard |
| AHAM AC-5 | Air | bioaerosols | Chamber | draw down | electric room air cleaners | Published |
| AHAM AC-4 | Air | Gases | Chamber | Draw down | Electric room air cleaners | Published |
| 185.3 | Air | Microorganisms | Chamber | draw down | Commercial In-room devices | Standard being written |
| "145.3" TPS | Air | Gases + byproducts | Chamber+ Duct | recirculation | All air cleaners- in duct and in room | TPS written |
| RAST TPS | Air | particles and bioaerosols/ microorganisms | Chamber+ Duct | recirculation | All air cleaners- in duct and in room | TPS being written |
| Proposed Research Project | | | | | | |
| WS-1928 | Air | bioaerosols/ microorganisms | Chamber+ Duct | recirculation | All air cleaners- in room only | New votes in progress, (cleared TC2.9 ?) |

9. Subcommittee Reports

1. Research - Subcommittee Chair – Paula Levasseur
2. Handbook - Subcommittee Chair -- Brian Krafthefer
3. Membership - Subcommittee Chair -- Matt Middlebrooks
4. Planning - Subcommittee Chair – Kevin Kwong
5. Program - Subcommittee Chair -- KJ Choi
6. ASHRAE Learning Institute – Marilyn Listvan
7. Publications - Subcommittee Chair -- Marilyn Listvan
8. Standards - Subcommittee Chair – Michael Sherber
9. Website - Subcommittee Chair -- Caitlin Naske
10. SSPC145 – Committee Chair – Tony Abate

10. Review of Action Items from Last Meeting

| # | Action Item | Owner | Meeting Initiated | Update | Status |
|---|---|------------------|-------------------|--------|--------|
| 1 | Workshop on performance rating system summary to be sent out. | Ashish Mathur | Atlanta | | |
| 2 | Collection of TC member bibliography papers for website posting | Marilyn Listvan | Atlanta | | |
| 3 | Development of a course on gas phase filtration to be part of ASHRAE supported classes and send to chapters | Paula Levasseur | Atlanta | | |
| 4 | Title/purpose /Scope for MTG or GPC on how to implement combined filtration systems | Brian Krafthefer | Houston | | |
| 6 | ASHRAE Certification Program | Christine Sun | Orlando | | |

11. Report from TC liaisons

1. Hand Greist– TC 2.9
2. Nick Agopian – 62.2
3. Kathleen Owen - TG2.RAST
4. Nick Agopian – TC 5.5
5. Nick Agopian – TRG-IAQP
6. Marwa Zaatari - 62.1
7. Jensen Zhang – EHC
8. Brian Krafthefer – TC 4.10
9. Tony Abate – TC 4.3
10. Dara Feddersen – TC 2.4 – **need to find a new liaison**
11. Kevin Kwong – U.S. TAG to ISO/TC 142, AHAM (AC-4, gaseous CADR chamber test) and IEC (CADR-like chamber test for gaseous pollutants)
12. Paula Levasseur – TC 9.1
13. Brian Krafthefer – TC 2.1



14. Marilyn- 9.7

12. New Business

13. Adjourn