



DRAFT Agenda

Annual (SUMMER) ASHRAE Meeting
June 27-28, 2022

Time and Location:

Monday, June 27 3:00 PM–6:00 PM ET Hilton, MacDonald/Lismer (C) / HYBRID

Tuesday, June 28 9:00 AM–12:00 PM ET Hilton, Carmichael/Jackson (C) / HYBRID

All Virtual Meeting info can be found here:

Mon: <https://events.rdmobile.com/Asset/Download/8655235>

Tues: <https://events.rdmobile.com/Asset/Download/8655236>

**GOOD MORNING - WE WILL GET
STARTED IN 3 MINUTES !**

WELCOME TO 170 !

REMINDER: “Commitment to the ASHRAE Code of Ethics – In this and all other 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 we shall avoid all real or perceived conflicts of interests. (See full Code of Ethics: <https://www.ashrae.org/about/governance/code-of-ethics>.)”

ASHRAE MISSION: Serve humanity and promote a sustainable world.
HOW: CONNECT / EDUCATE / EXTEND / ADAPT

- | | | | |
|-----------|--|--|---------|
| 1. | Roll Call | members all - | 3:00pm |
| 2. | Approval of Minutes (Jan, Mar, Apr, May) | ON BASECAMP | Granzow |
| 3. | Roster Changes now and upcoming (Bio / Bias)
Reminder on Process
Voting Members / Secy / Chair
Thanks | Sheerin | |
| 4. | CURRENT ADDENDA STATUS
a. Addendum e - Natural Ventilation Work Group
b. Addendum f - OA Calculation Method Addendum
c. Addendum g – OR/Class 3 Imaging & Nuclear Med
d. Addendum h – Outpatient Turndown | | 3:30 |
| 5. | LIAISON REPORTS
a. Technical Committee 9.6 Healthcare
b. SSPC 62.1 - congrats to B Burley
c. SPC 55
d. SPC 188
e. FGI (skip)
f. OPERATIONS GUIDELINE GPC 43 (skip)
g. ASHE - ICRA 2.0
h. SSPC 90.1
i. SSPC 189.3
j. Other ASHRAE Initiatives / Coordination | Nick LeMire
Abdel Darwich
Mike Meteyer
Kevin Scarlett
Steve Friedman /H Platt
Jonathan Flannery
Jonathan Flannery
?
Jeremy Fauber
Jeremy Fauber | 4:15 |
| 6. | BREAK 15 MINUTES | | |
| 7. | WORK GROUP REPORTS - ACTIVE
a. Infrastructure /Resiliency Work Group | Bhansali | 5:00 |
| 8. | WORK GROUP REPORTS - IN PROCESS
a. Temperature/Humidity Range Work Group
b. Pharmacy Work Group | JFlannery
AJohnson | |
| 9. | FORMAL INTERPRETATIONS (RFIs)
a. Nesman | VOTE
Friedman | 5:30 |

b. Unofficial Interpretations Review (Jan-June)

10. FGI/ASHRAE COORDINATION (Iso-Lite; Special IC Exam) Friedman

BREAK until TUESDAY

11. CHANGE PROPOSALS - 9:00

- a. CMP text to align w- Class 3 VOTE Scarlett
- b. CMP AII review Scarlett

12. GPC 43 Progress update Flannery

13. NFPA 99 proposal Flannery

14. ENCOURAGING NIH/CMS RESEARCH 10:00

- a. FEDERAL INITIATIVE REGARDING RESEARCH - Update Sheerin

15. RESEARCH Next Steps Prioritization - Research and RTARs – summary of Burley report from May committee call

(Working Group - Robert Booth, Mike Meteyer Jeremy Fauber Russ Olmstead, Farhad, Rick Hermans, Jonathan Flannery, Roger Lautz, and Ken Mead.)

- a. Work Statement 1864 VRP Mead
- b. Topics/categories
 - 1) Contaminants of concern (COC).
 - 2) Threshold levels for COCs.
 - 3) Sources and dispersion of COCs.
 - 4) Clo and met rates.
 - 5) OR outcomes vs ACH rates – piggyback on Wagner/Gormley studies
 - 6) Effect of location of air diffusers
 - 7) Control strategies
 - 8) Humidity and Temperature
 - 9) Urgent Care facilities
 - 10) Effect of 188 on Legionella in Healthcare Facilities
 - 11) Effect of HEPA in ORs
- c. What is the one thing related to airborne infections?
 - 1) How do we garner interest from a larger organization?
 - 2) Need a maximum concentration limit for the various infectious agents.
- d. Coordination with Dave Thomsen / TC 9.6 Research SubComm Chair
- e. A list of items where there is a need, such as the space specific items, that can help drive the research and process.

- f. Farhad indicated there may be good info from airborne conference held in August. Example, evidence does not support the 5 micron assumption. Evidence suggests up to 17 micron may be airborne.
- g. Research regarding distribution of droplet agents through air systems.

- 16. New Business Sheerin 10:30
 Future Pandemic Planning – Better Practices exercise
 Other New Business?
- 17. Review of Action Items Granzow/Johnson
- 18. Upcoming Meetings WRAP UP / END
 - a. Committee Status Call July 27, 2022 3-5pm ET
 - b. Committee Status Call or Meeting early October (TBD) ATL?
 - c. Committee Call – November 9, 2022 3-5pm ET

FUTURE MEETING ITEMS

- 19. Operating Rooms Research Update Dr Jennifer Wagner
- 20. WORK GROUP REPORTS - IN PROCESS
 - a. Operating Rooms/Hybrid Imaging Scarlett

Publication Timelines

170-2021 - RE-PUBLICATION FEB 2025 FOR INCLUSION IN FGI 2026

FGI 2022 (4 yr cycle) FGI 2022 Publication - available
 NOW <https://shop.fgiguilines.org>

IMC 2021 (2018 / 3 yr cycle)

Mark Davidson proposal:

7. SPACE VENTILATION—INPATIENT SPACES

The ventilation requirements of this standard are minimums that provide control of environmental comfort, asepsis, and odor in inpatient spaces. However, because they are minimum requirements, and because of the diversity of the population and variations in susceptibility and sensitivity, these requirements do not provide assured protection from discomfort, airborne transmission of contagions, and odors.

7.1 General Requirements. The following general requirements shall apply for space ventilation:

a. Spaces shall be ventilated according to Table 7-1.

b. Minimum filter efficiencies requirements within Table 7-1 shall be maintained throughout the service life of the air filter.

8. SPACE VENTILATION—OUTPATIENT SPACES

The ventilation requirements of this standard are minimums that provide control of environmental comfort, asepsis, and odor in outpatient spaces. However, because they are minimum requirements, and because of the diversity of the population and variations in susceptibility and sensitivity, these requirements do not provide assured protection from discomfort, airborne transmission of contagions, and odors.

a. Spaces shall be ventilated according to Table 8-1.

b. Minimum filter efficiencies requirements within Table 8-1 shall be maintained throughout the service life of the air filter.

Seclusion Room fix

Update Table 7-1

BEHAVIORAL AND MENTAL HEALTH FACILITIES (k)

Patient bedroom, resident room (<i>FGI 2.2-2.12.2 & 2.5-2.2.2</i>)	NR	2	2	NR
Seclusion room (<i>FGI 2.1-2.4.3 & 2.2-2.12.4.3</i>)	NR	4	2	NR

CMP 2017-009-0001

Proposed change:

Modify Section 6.9(c) as shown.

6.9 Insulation and Duct Lining

[. . .]

- c. ~~For spaces requiring a HEPA filter or minimum MERV-14 or higher filter, duct lining shall not be used in ductwork located downstream of filters Filter Bank No. 2. Duct lining that is impervious, or with an impervious cover, may be allowed in terminal units, sound attenuators, and air distribution devices downstream of filters Filter Bank No. 2. This lining and cover shall be factory installed.~~

[. . .]

Modify Section 7.1(a)(5)(iii) as shown.

Will the proposed change increase the cost of engineering or construction? If yes, provide a brief explanation as to why the increase is justified:

N.A.

Reason and Substantiation:

Addendum d following Addendum a seems to revert text back to original excluding "duct lining that is impervious" option. See below:

Modify Section 6.9 as shown.

6.9 Insulation and Duct Lining

- a. ~~An exterior vapor barrier shall be provided for insulation on cold surfaces. Pipes, ducts, and other surfaces within the building whose surface temperatures are expected to fall below the surrounding dew-point temperature shall be insulated to prevent condensation and provided with an exterior vapor barrier. A vapor barrier is not required for insulation materials that do not absorb or transmit moisture.~~
- b. Existing insulation and duct lining accessible during a renovation project shall be inspected, repaired, and/or replaced as appropriate.
- c. Duct lining shall not be used in ductwork located down-stream of Filter Bank No. 2. Duct lining with an impervious cover may be allowed in terminal units, sound attenuators, and air distribution devices downstream of Filter Bank No. 2. This lining and cover shall be factory installed.
- d. Duct lining shall not be installed within 15 ft (4.57 m) downstream of humidifiers.