

AGENDA

TC 5.10 Kitchen Ventilation Main Committee Meeting

Monday, Jan 31, 2022, 5:30PM – 7:30PM EDT, (2:30-4:30PM PDT) Caesars Palace, Verona (P)

Webex Meeting – Join info. available on TC5.10 Basecamp or 5.10 Website

Meeting number:

2338 072 1075

Password:

TC5.10

Join by phone

18662994153 United States of America Toll Free

+14702385742 US Toll

Access code: 2338 072 1075

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1. **Call to Order and Introductions** – 5:42
 2. 2:30 PM –Introduction(s) overview of meeting by Andre
 3. Schedule for today
 - A. 2:40 Agenda -Update by TC 5 Chair Kevin
 - B. 2:55 Subcommittee Report Outs
 - C. 3:25 Design Guide
 - D. 3:30 Energy Star/ICF DCKV
 - E. 4:00 Old Business -Vision Statement
 - F. 4:15 New Business
 - G. 4:30 Adjourn

4. Quorum Call –

Voting Members	Present
Mr. Jason Greenberg, PE (2023)	
Mr. Andre Saldivar (2022)	X
Mr. Jason Brown (2023)	X
Mr. Mark Skierkiewicz, PE (2023)	X
Mr. Derek Schrock (2022)	X
Mrs. Cherish Samuels, PE (2023)	X
Mr. Keith Page (2023)	X

Other Attendees

A. Brooks	H. Grabau	B. Krafthefer	B. Miller	D. Smith
D. Brunk	J. Haack	A. Kranenburg	A. Mueller	T. Spata
T. Crk	B. Jensen	A. Livchak	F. Parvin	A. Spitz
C. Curry	D. John	D. Livchak	A. Prabhu	M. Stangl
G. Duchane	F. Kohout	P. MacCormac	R. Robison	J. Sweeney
B. Gilanpour	M. Kong	T. McCabe	S. Scott	M. Tilles

5. **Commitment to the ASHRAE Code of Ethics** – In this and all other ASHRAE meetings, we will act with honesty, fairness, courtesy, competence, integrity and respect for others, and we shall avoid all real or perceived conflicts of interests.

See full Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>

Code of Ethics

“we shall avoid all real or perceived conflicts of interests.”.

Recent CHANGES to the TC MOP requiring BALANCE for the voting membership removes the appearance of bias and conflict of interest.

The most recent MOP can be found here: <https://www.ashrae.org/technical-resources/technical-committees> in the Procedures, Forms & Information for TCs/TGs/MTGs and TRGs section about half way down the page.

6. TC Membership

www.ashrae.org/joinatc

Levels of Membership:

- Provisional Corresponding Member – Automatic roll-off after 2 years
- Corresponding Member
- Voting Member – Non-quorum
- Member – Non-voting
- Member – Voting

7. TC 5.10 Roster Update –

Updated June 2021 by Andre and submit to Kevin

Want balanced membership

Several new Member since last meeting

Andre updated the roster.

Derek will roll on to chair next meeting

2023 4 will roll off

David John will roll on

Looking for new voting members

8. E-mail Aliases

- A. Chair: tc0510@ashrae.net

- B. Vice Chair: tc0510.vch@ashrae.net
- C. Secretary: tc0510.sec@ashrae.net
- D. Handbook: tc0510.hbk@ashrae.net
- E. Program: tc0510.pro@ashrae.net
- F. Research: tc0510.res@ashrae.net
- G. Standards: tc0510.std@ashrae.net
- H. Webmaster: tc0510.web@ashrae.net

9. **Approval of Minutes** from Summer Meeting-Virtual June 2021

Vote motion to Approve Derek Schrock

Second Jason Brown

6-0 approved

10. **Announcements**

A. TC/TG Chair Breakfast Announcements – Andre/Derek

1. New Activity Form
2. Anyone attend the Chair Breakfast?

Andrea talked about rotating committee

Looking for a research chair completed Derek Schrock

Looking for volunteer to be secretary

B. Update by TC 5 Chair Kevin

- **Roster needs to be updated need to be done by Feb 15th.**
- **Kevin can approve roster.**
- **Get an actively report**
- **Make sure the roster is balanced for voting members**
- **asktac@ashrae.org to ask any questions. Try to answer within 24 hours**

11. **Reports –**

A. ASHRAE Liaisons - TC 5 Section Head (*Kevin Marple*)

B. Handbook – *Greg DuChane*

Held meeting January 20th.

Will post on basecamp

May completion

TC vote to approve at June meeting

July submission to ASHRAE

C. Research – *Derek Schrock*

RTARs in progress

D. Program – *Mark Skierkiewicz*

No program for this meeting, Who will be in person for June? Feb 17th deadline

E. Standards - *Jason Greenburg*

Not present

- F. EnergyStar/DCKV transition from Emerging Technology – *Tanja Crk*
Presentation “Energy Star Commercial Kitchen Ventilation” was given by Tanja Crk and Adam Spitz. Presentation has been posted on Basecamp on the minutes page. Also had a discuss during the TC meeting. Notes on conversation from Tanja and Adam are below:

- ENERGY STAR has been aware of field test protocols (CEE, ASTM F2976) and capture and containment (ASTM F1704) since the ES Emerging Tech Award for DCKV in 2015-16.
- ENERGY STAR is looking into lab-based energy performance test methods that the industry adheres to for DCKV or more broadly, CKV, to potentially develop a product specification.
 - Has there been an ASHRAE test method under development for commercial ventilation? The committee responded that no there is no industry test method.
 - What are the ASHRAE TC 5.10 committee's thoughts on AMCA 214 and would fans & blowers subsume CKV? A question was posed in the room whether EPA has talked to AMCA and the answer is no, but AMCA has petitioned DOE (in 2020) to use AMCA 214 in the regulatory process for fans & blowers.
- Feedback and considerations shared by the attendees includes the following:
 - Duct layout is an important consideration
 - Lab test drawdown can be tricky. Could verify a spot check in the field. You can't buy ventilation hoods and system of the shelf
 - The cooking process drives energy consumption, which may introduce variability
 - Grease particles are different for each installation, so the pressure drops and other factors are different for each application/site
 - A more holistic picture of CKV may need to be considered for an ENERGY STAR specification
 - ENERGY STAR is looking into possibly similar approaches used in residential specifications, and will follow up with Andre
 - Attendees discussed the idea of the committee to develop a list of guidelines (best practices). How the system operates correctly
 - An ASHRAE SPC could be developed to discuss test method development further
 - Texas A&M offered to run hood testing and would like to be involved
 - ENERGY STAR would be involved in any CKV discussions

Tanja Crk Crk.Tanja@epa.gov
Adam Spitz Adam.Spitz@icf.com

- G. Webmaster Report – *Keith Page*
Website current

- H. SSPC 154 Ventilation for Commercial Cooking Operations – *Fuoad Parvin*
Due for publication this year, Keith Page will take over VC, Berang – Secretary, Work Plan must be completed 6 months after publication.
- I. UL – *Mark Skierkiewicz*
 - Interest in Canada in using NFPA-96 – the next edition will also reference the appropriate Canadian standards.
 - **There has been a proposal to UL 1978 to revise gasket testing for some materials. This proposal should be posted in the near future. If this is successful this will be proposed to the other commercial kitchen standards for consistency.**
 - **At a recent standard development meeting (STP 1046) there was a discussion on harmonizing several commercial kitchen standards between the US and Canada. The feedback that was received on this initiative was positive. There is a need to determine how the technical panels should be combined.**
- J. SSPC 189.1 – *Looking for liaison options (Gregg Gress)*
- K. 90.1 – *Looking for liaison options*
- L. 62.2 - Residential kitchens -*Nissun Feiner*
- M. 2.9 – *Scott Sherwood*
- N. ASHRAE Design Guide – *David John*
Target date for completion of guide in June 2022

12. Old Business

- A. TC-5.10 Vision statement -TG meeting 1/13/22. "Safe, Sustainable, Efficient Kitchen Ventilation" – Take Vote
 - i. **Motion to Approving Statement- Derek**
 - ii. **2nd- Jason Brown**
 - b. **Vote 5-0-1**
- B. "Jason Greenberg suggested forming a small working group MTG focus on design more efficient restaurants or food service application look at energy and water
 - a. Keith Page
 - b. **Jimmy Sandusky (Andrey L)**
 - c. Andre Saldivar
 - d. Russ Robison

13. New Business

- A. 154 Hot topics meet to discuss how to add to handbook
- B.

14. Announcements:

15. Adjourn 7:35 pm est.

Motion – Jason Brown

2nd- Mark S