

**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS,
INC.
1791 Tullie Circle, N.E./Atlanta, GA 30329
404-636-8400**

TC/TG/MTG/TRG MINUTES COVER SHEET

(Minutes of all Meetings are to be distributed to all persons listed below within 60 days following the meeting.)

TC/TG/MTG/TRG No. 5.10 DATE 01/30/17

TC/TG/MTG/TRG TITLE Kitchen Ventilation

DATE OF MEETING 01/30/17 LOCATION Las Vegas, NV

MEMBERS PRESENT	MEMBERS PRESENT	MEMBERS ABSENT	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Michael Morgan	Fuoad Parvin		Amin Delagh
*Jason Greenberg	Derek Schrock	*Tony Spata	Dan Mason
*Jimmy Sandusky	Don Fisher		Scott Sherwood
Steve Brown	Steve Brown		Bryan Miller
*Greg Duchane	Tim Farrell		
Frank Kohout	Dwayne Sloan		
*Rich Swierczyna	Carlos Haiad		
Mike Watz	Greg Gress		
Cherish Samuels	Curt Swan		
*Andre Saldivar	Bob Ajemian		
*Russ Robison	*Terry McCabe		
Doug Horton			

*Voting Members

DISTRIBUTION

Minutes Submitted by: Andre Saldivar, 01/28/17

Minutes Approved on:

These draft minutes are not the official minutes until approved by this committee.

<i>All Members of TC/TG/MTG/TRG plus the following:</i>	
TAC Section Head:	Kenneth Peet
TAC Chair:	Dr. Eric W Adams, PhD
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters:	Dr. Darin Nutter, PE James Arnold, PE Gerald Williams, PE Ricardo Esbri Rick Larson
Manager Of Standards Manager Of Research & Technical Services	Stephanie Reiniche Mike Vaughn

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TC 5.10 Kitchen Ventilation
Main Committee Meeting Draft Minutes
Monday, January 30, 2017, 6:00-7:00PM
Caesar's Palace, Verona Las Vegas, Nv

1. Call to Order and Introductions

A. Jimmy Sandusky called the meeting to order at 6:10 PM

2. Voting Members* and Balance

Name	Affiliation	Classification
Jimmy Sandusky	Halton	Producer
Russ Robison	Gaylord Industries	Producer
Andre Saldivar	SCE	General
Dwayne Sloan	UL	General
Rich Swierczyna	FSTC	General
Tony Spata	Hyatt Hotels	User
Terry McCabe	Greenheck	Producer
Greg Duchane	Trane	Producer

3. Quorum Call

A. 8 of 8 Voting Members Present, Absent

4. Code of Ethics

5. Approval of Minutes from Annual Meetings in St Louis, Mo

A. Approved unanimously by Voting members, Motion – Tony Spata, Second – Dwayne Sloan, 8-0-0-0,

6. ASHRAE Liaison Reports

A. Ken Peet- Updates

1. TAC- encourage online meetings between annual meetings

B. ASHRAE staff- Connor B – General overview on Code process

1. Code proposal can go thru TC now

2. Smoke bombs for testing- rejected

3. Proposal can be submitted Jan 2018

7. Announcements

A. TC/TG Chair Breakfast Announcements

Sunday 01/29/17, 6:30 am–8:00 am

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- For Las Vegas- Winter 2017
- 164 Papers were submitted, 145 accepted
- 152 Seminars submitted, 76 accepted
- 18 Workshops, 7 accepted
- 8 Forum, 3 accepted
- ASHRAE offering BASE CAMP- Collaboration area online so it accessible for edits

8. TC 5.10 Roster Update

- A. Roster updates occur after every winter meeting & are effective July 1 of that year
- B. Current Roster has about 45 people
- C. Voting Member Roll Off Dates
 1. 2017 Jimmy Sandusky
 2. 2019 Greg Duchane
 3. 2019 Andre Saldivar
 4. 2019 Terry McCabe
 5. 2019 Rich Swierczyna
 6. 2019 Russ Robinson
 7. 2019 Tony Spata
 8. 2020 Dywane Sloan

9. TC 5.10 Program Las Vegas

- A. *Seminar 9: Fire Safety Operations in Commercial Kitchens (Sunday)*
- B. *Seminar 67: The Future of Water and Energy Efficiency in Commercial Foodservice (Wednesday)*

10. Subcommittee and Standards Reports

A. Handbook – Frank Kohout

Monday 01/30/17, 2:00-3:30PM

1. 2017 Topics: Continued to work on the 4 topics:
2. Residential hoods- Cooking equipment applications, when MAU is needed,

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3. Design examples-Life Cycle Cost, cost of CFM
4. Dish rooms- Sub sections were assigned – layout, air quality, heat gains, air distribution, ventilation rates, and energy efficiency measures.
5. Solid Fuel considerations- discuss Research needed to be done.

B. Research – Derek Schrock

Monday 01/30/17, 4:30-6:00PM

1. Research Process flow chart was sent out
2. RP 1614 Evaluation of UV- Went out to bid, no bidders. Will contact bidders list. Russ Robinson
3. WS 1664 Latent & Sensible loads in kitchen. Update: Steve Brown will rewrite
 - a. Break into 2 separate WS
4. WS on Qualifying Makeup Air Entering Hood & Thermal Impact on Hood Performance- Derek S
5. WS 1178 for Dishroom comfort/ventilation. Develop Guideline
 - a. Addressed RAC concerns, dropped Guideline, add to Scope
6. New Research Project- Fire safety and creosote
 - a. Creating RTAR- Field project with 15 samples each with/out solid fuel cooking
7. Updates from Liaison- David John- New ATAR forms are available online
8. May 15th first date RTARs can be submitted
9. Would like to extend meeting time for 2 hrs

C. Program – Mike Morgan

Monday 01/30/17, 3:30-4:30PM

1. Long Beach 2017 Proposals
 - i. Feb 6 - seminar, forum, workshop proposals due
2. Seminar 1 : Title: Commissioning CKV systems
 - i. Frank H to chair, Mike M, Jason Brown, Don F speakers
 - ii. Track 6
 - iii. Co-Sponsor TC 7.9
2. Revisit last proposal- Water & Energy Nexus for Ventilation
 - i. Don to chair, Rich S, Mike W, Russ R to speak
3. Seminar 3 : Title: Pollution Controls Units/Technologies
 - i. Co-Sponsor 5.4
 - ii. Track 4
 - iii. Speakers: Russ R, Bob A, Dwyane S

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- iv. Chair – Derek S
- 4. Seminar 4 : Title: Restaurant Emissions Challenges, Improving Life Safety
 - v. Co Sponsor 5.4
 - vi. Track 4
 - vii. Speakers: Chris L, Don F, South Coast,
 - viii. Chair – Mike Watz or Greg Duchane

D. SSPC 154 Ventilation for Commercial Cooking Operations – Rich Swierczyna
Sunday 01/25/16, 1:00 – 5:00 PM

- i. Liaison Ken attended and gave updates
- ii. Rewrite Title to eliminate ‘Commercial’
- iii. 14 proposals

E. UL 710 – Dwayne Sloan

- 1. UL 8782 Pollution Control units now published
- 2. UL 710 changes effective date is Sept 13th 2017
- 3. NFPA 96 was ask to address food mobile/trucks
 - Annex B

F. Codes and Standards – Need a Chair

G. Webmaster Report – Vern Smith

- 1. www.tc510.ashraetcs.org.

H. NSF – Tom Johnson

I. STD 189 – Greg Gress

- 1. Need info on: High rise building ventilation- energy/heat recovery

11. Membership

- A. The committee currently has voting, corresponding and provisional corresponding members. There can also be two non-quorum voting members, which is particularly interesting for consulting engineers with infrequent attendance.
- B. After two consecutive meeting absences, inactive members will be removed from corresponding member list. An email notice to the current distribution list will notify all members of change and that meeting agendas, minutes, etc. can be found on TC 5.10 website.

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12. Old Business

- A. Establish an MTG or WG for Energy Efficient Foodservice Facilities
 - 1. TC 10.7 Commercial Food and Beverage Refrigeration Equipment
- B. ASHRAE Journal Article, November 2016 – Commercial Kitchen Fire Suppression Solutions by Bill Griffin, Mike Morgan.
- C. Vote Status for Handbook Edits for Solid Fuel Cooking Applications.
 - 1. Motion to Approve- Russ Robinson, Second- Tony Spata (8-0-0-0)

13. New Business

- A. Standards Subcommittee Chair- Need Chair- MANDATORY TO HAVE
 - 1. Need clarification on role
- B. ASHRAE 90.1-2016. 6.5.6.1 Exhaust Air Energy Recovery language changes regarding commercial kitchen ventilation.
 - 1. Put under C&S subcommittee
- C. Cosponsoring seminar with TC5.4
 - 1. Motion- Russ Robinson, 2nd- Dwayne Sloan , (8-0-0-0).
- D. Cosponsoring seminar with TC 4.1
 - 1. Motion- Tony Spata, 2nd – Russ Robinson, (8-0-0-0).
- E. Fire code in NY- Field testing. To be put be on BASE CAMP for review

14. Adjourn

- A. Motion to Adjourn – Russ Robinson, Second – Tony Spata, (8-0-0-0).

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