



## TC 9.08 Large Building Air-Conditioning Applications Meeting Minutes

Meeting Date & Time: Monday June 29, 2015 2:15PM-4:15PM  
 Hilton Atlanta Room 301

(Establish Quorum: # of voting members present exceeds ½ of the # of total voting members of the committee (15 VM))  
*All votes to be recorded as Aye-Nay-Abstain-Chair Not Voting-Absent.*

### Call to Order

2:22 min: Meeting was called to order by Heather Schopplein. (Chair not voting).

- a. Introduction of Members and Guests
- b. Agenda Review
- c. Appoint Secretary-Bob Barrett
- d. Membership Update
  - 1. Review Roster (Current Members)  
 12 voting member present and a quorum was established.  
 Ms. Schopplein went over new roster

Full Name	Position	End Date
Mr Tyler Lewis, P.E.	Chair	06/30/2015
Ms Heather R Schopplein, PE	Vice Chair	06/30/2015
Mr Steven W Nicklas	Secretary	06/30/2017
Mr Francis A Mills	Handbook Subcommittee Chair	06/30/2015
Mr John S Molnar	Program Subcommittee Chair	06/30/2015
Mr Robert L Cox	Research Subcommittee Chair	06/30/2015
Mr Richard D Hermans, PE	Standards Subcommittee Chair	
Mr Vinay Ananthachar, PE	Member	06/30/2017
Mr E Doug Fitts, PE	Member	06/30/2018
Mr Walter D Horn, PE	Member	06/30/2016
Mr Ralph Kittler, P.Eng	Member	06/30/2018
Mr Harry M Milliken	Member	06/30/2018
Mr Timothy A Sechrist	Member	06/30/2016
Mr Boggarm S Setty, PE	Member	06/30/2015
Mr Richard E Vehlow, PE	Member	06/30/2015
Mr Lynn F Werman, PE	Member	06/30/2017

### Meeting Attendance:

Full Name	Position
Ms Heather R Schopplein, PE	Vice Chair
Mr Francis A Mills	Handbook Subcommittee Chair



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Mr John S Molnar	Program Subcommittee Chair
Mr Vinay Ananthachar, PE	Member
Mr E Doug Fitts, PE	Member
Mr Walter D Horn, PE, PE	Member
Mr Ralph Kittler, P.Eng	Member
Mr Harry M Milliken	Member
Mr Timothy A Sechrist	Member
Mr Boggarm S Setty, PE	Member
Mr Lynn F Werman, PE	Member
Mr William Artis, Jr	Provisional Corresponding Member
Mr M Robert Barrett, PE	Provisional Corresponding Member
Mr Alan Fisher	Corresponding Member
Mr John L Harrod	Corresponding Member
Mr Reinhold Kittler, PE	Corresponding Member

### Absent:

Full Name	Position
Mr Tyler Lewis, P.E.	Chair
Mr Steven W Nicklas	Secretary
Mr Robert L Cox	Research Subcommittee Chair
Mr Richard D Hermans, PE	Standards Subcommittee Chair
Mr Richard E Vehlow, PE	Member

### Previous Meeting Minutes

- e. Review Winter 2015 – Chicago Meeting Minutes (H. Schopplein)
  - 1. Motion to approve by Mr. Horn, seconded by Mr Setty. No discussion. No discussion. Passed unanimously.
- f. Approval of Meeting Minutes

### Subcommittee Reports

- g. **Research Subcommittee Report : Skipped**
- h. **Handbook Subcommittee Report By Mr. Mills:**
  - 1. Handed out "International Content", which included "Justification" statements on two new proposed ASHRAE Handbook chapters from TC 9.8: "Atriums" and "Natatoriums".
  - 2. Reported 90% of members still want hardcopy book. But many going to on-line version of Handbooks
  - 3. Revisions for next hardcopy (in 2019) must be finished in 2018
  - 4. It is also possible to submit annual updates - for on-line version also
  - 5. Mr. Mills report: General consensus: Need to focus on chapters not reviewed.
  - 6. Got approval for new Fire Station and Natatorium Handbook Chapters. Fire Station Chapter will include Airport and DODefense Fire Stations.
  - 7. Committee is responsible for 8 chapters now.
- i. Summary of TC Forum at 9:45 today: "What should be included in a new Handbook Chapter on Fire Stations, Fire Fighter Academies and EMT Training Academies?" by Mr. Fitts: invited local



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- Fire Dept. (including EMT), design Architect and Mechanical Engineer to session. Good reception.
- j. Pub Ed Council meeting notes:
    - 1. Push to be International.
    - 2. Others want to tap into ASHRAE knowledge.
    - 3. "At Large" Region (basically the world except for North America, Hong Kong and Europe): Why they join ASHRAE? To get a handbook.
    - 4. Looking at expanding economies.
    - 5. Also looking at interface with other societies.
      - a) Example: AICVF (Paris): may have funding for climate change and energy research. Will find out more today.
      - b) Also discussed Cold Climate Guide: try to have ready for China conference, 3 year revision cycle.
  - k. Mr. Fitts made motion to approve new Handbook Chapters, Mr. Mills seconded. Discussion lots of information available. Motion approved unanimously.
  - l. Chapter 2-Retail (V. Ananthachar): not discussed.
  - m. Chapter 3-Commercial and Public Buildings (W. Horn)
  - n. Chapter 5-Places of Assembly (R. Kittler)/
  - o. Chapter 6-Hotel, Motels and Dormitories (H. Schopplein)
    - 1. Motion: to revise chapter name to Hospitality and Dormitories
  - p. Chapter 23-Museums, Art Galleries and Libraries (C. Grzywacz)
    - 1. Email Report from Cecil read in meeting:
    - 2. In the next version we will
      - a) Review and determine what is appropriate in the chapter. What new information should be included and which sections need to be updated...
      - b) Add a discussion on the importance of the Project Team, interdisciplinary, integrated approach especially including conservations and engineers in the discussion to design systems and create reasonable set points specific to the climate zone and collection.
      - c) Revise Tables 3 & 4 especially with a global focus, including hot and humid climates. This is also important because the international conservation field has been discussing set points with respect to energy conservation, sustainability, and climate change.
      - d) Include reference to Standard 100 Energy Conservation in Existing Buildings and Guideline 34 Energy Guideline for History Buildings and Structures
  - q. Chapter X-Natatoriums Chapter (R. Kittler)
    - 1. Online Handbook edition revisions
    - 2. Looking for authors and also looking for reviewers. Have to have peer review on new info in the chapters. Let Ms. Schopplein know if interested.
  - r. **Program Subcommittee Report**
  - s. Review of Atlanta Forum (D. Fitts) on Fire Stations, Fire and EMT Training Academies to generate content for a new applications handbook chapter. Mr. Fitts discussed forum (see earlier notes). Good way to discuss proposal (via forum).



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- t. Orlando: Seminar (W. Horn, L. Harriman) Hospitality, how to handle DOAS, PTAC and pool dehumidification for hotels. Mr Molnar: and ?? Dan (Robert?) working on info for DOAS seminar. Have 5 weeks to submit for Orlando. Will ask for help.
- u. "Back to Basics"; not accepted originally. Trying to insert a workshop, need to re-tool.
- v. Ms. Schopplein : Provide joint presentation w/TC 8.10 on de-humidification (include w/DOAS). Better chance if co-sponsored (with 8.10). Mr. Milliken: made several presentations to include DX for OA conditioning (for Std 90.1) - may be a tie-in for DOAS presentation.
- w. Orlando/St. Louis: Biomass Conference Paper (F. Mills and two other speakers) Still interested in submitting - fits better with tracks at St. Louis.
- x. Orlando/St. Louis: Atrium Seminar (F. Mills and two other speakers) : Want to address water features, smoke control F/FS/S dampers, etc., ? Tracks better with Orlando: Resubmit: Back to Basics: The Art of Writing a Technical Specification and Schedule of Performance [Fundamentals and Applications Track]
- y. **Webmaster Report (S. Nicklas)**
  - 1. Webmaster not present. Ms. Schopplein tried to fix, got frustrated. Society is going to a more use-friendly system. Just waiting on final approval. Will make webmaster's job easier.
- z. **Hospitality Liason (new business) Ms. Schopplein**
  - 1. YEA mixer is an opportunity to get new members.
  - 2. Other TC's have designated a membership sub-committee. One person/chair out there trying to recruit new members. New position, Hospitality Liason to go to hospitality events to recruit.

### Liaison Reports

- a. TAC Section 9 Report Mr. Werman:
  - 1. Presentations for Conferences: Presentation must be complete and per rules.
  - 2. Strike for late submitters: 2 or 3 strikes: penalties.
- b. Mr. Milligan: Haven't had a seminar/presentation approved for a long time. Late notice only 3 weeks to turn-around.
- c. Discussion on paper/presentation submittals for meetings: Currently, for Orlando: Forums due Aug 10th, Sept 11th notification. on-line final submittal is Jan 4th.
- d. Ms. Schopplein explained that contact is via ASHRAE bio's email (if change jobs - may lose access to email - and notification)
- e. RAC Report
  - 1. Provide status update on approved co-sponsor of the resubmission of research project (Work Statement 1566) with TC 8.10: Mr. Milliken report: dead. Looking at different direction: had joint meeting with CDC and ASHRAE: Move forward for research on evaporation (from wet surfaces to confirm Carrier Formulas - per current handbook).
  - 2. MTG will work: help move CDC model Health Code. CDC may be willing to co-fund. ASHRAE looking at legal implications.
  - 3. MTG Operations and Maintenance activities that effect Energy was approved. Looking for members (went to every TC). Mr. Ralph Kittler: support regulatory bodies etc., May have one voting member. Bob Cox on commissioning side, may be interested.
- f. TC 8.10 Mechanical Dehumidifiers & Heat Pipes
  - 1. Mr. Milliken: DOAS moving along: Will be published next year. research project 1712
- g. TC 9.04 Justice Facilities



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1. Mr. Fitts: progressing on design guide. Trying to set up a conf call to discuss. (Ms. Schopplein reminded everyone that ASHRAE has ability to set up web meeting.
- h. TC 9.06 Health Care Facilities : Mr. Mills: had 7 events at this conference.
- i. TC 9.07 Educational Facilities : Mr. Mills: meeting not taking place.

### Standards

- a. SSPC 55 Thermal Environmental Conditions for Human Occupancy: no update.
- b. SSPC 62.1 Ventilation and Acceptable IAQ in Commercial, Institutional and High-Rise Residential Buildings: no update.
- c. SPC 90.1 Energy Efficient Design of New Buildings: Mr. Milliken: DOAS Indoor swimming pool equipment also (for public review).
- d. SPC 100 Energy Efficiency in Existing Buildings: Mr. Molnar: TC 6.2 (District Energy): Source v. Site issues. Mr. Milliken: AHRI is starting to look at developing performance stds for systems (not just equipment).
- e. GPC 34P Guidelines for Historic Buildings: no update.
- f. SPC 170P Ventilation of Healthcare Facilities: Mr. Mills: a lot going on this week. Wed morning and couple things tomorrow. Hot button Natural Ventilation for hospitals. Need help?
- g. Standard 180 Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems: May have been where MTG came from (Mr. Ralph Kittler)

### Unfinished Business

- a. New handbook chapter for Fire Stations, Firefighter and EMT Training Academies voted for during last meeting, any updates from Handbook Committee?

### New Business

- a. Boggy: 189.1 Finalized in a week or 2.
- b. Chapter 6: change to Hospitality and Dorms? Tabled.

### Announcements

- c. Looking for contributors to new FP chapter. Doug will be lead (also design guide for Justice Facilities).
- d. Share what TC's do at your local chapter meetings, try to do a 5 to 10 minute presentation before your technical program.
- e. Orlando: family oriented: STEM program for K-12, let kids learn what you do. Looking for feedback: Contact Heather
- f. Mr. Reinhold Kittler: Joined 9.8 looking for a home for de-humidifiers.

### Adjournment

- g. Meeting adjourned at 3:30 pm, local time.
- h. Motion to adjourn: Jim Second: Kittler Vote: Unanimous