

MEETING MINUTES REV TC 9.01, Large Building Air Conditioning Systems

Monday June 14, 2021, 3:30-630 pm

Subcommittees & Related Meetings:

TC 9.1 Program/Handbook/Research Monday 6/14 3:30 pm–4:30 pm

Report out shown below

ATTENDANCE - 15

Jay Eldridge – VM, Mark Fly- VM, John Vucci- VM, Lee Millies- VM, Doug Cochrane – VM, Charlie Henck, Dennis Wessel, Phil Trafton, Elizabeth Primeau, Ian, Suzan Sun-Yuan, Soph Davenberry, Mark Pavol, Gene Strehlow, Caleb Joiner

MEETING AGENDA

Call to Order by Jay at 435 pm

- 1) **Welcome / Introductions** - everyone introduced themselves
- 2) **Administrative**
 - a) **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. <https://www.ashrae.org/aboutashrae/ashrae-code-of-ethics>.)
 - b) **Scope** - TC 9.1 is concerned with the general design concepts of the HVAC systems that are utilized for the conditioning of large buildings, including the integration of components into centralized and decentralized systems.
- 3) **Determination of Quorum**
 - a) Voting Members = 6+ 1 Member non quorum

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|---------------------------|---------------------------|
| Jay Eldridge - Chair | Mark Fly - VC |
| Doug Cochrane – Secretary | Jeff J Traylor Non-Quorum |
| Stephen W Duda | Lee Millies |
| John I Vucci | |

5 out of 6 voting members in attendance.
Quorum reached
- 4) **Review and Approve Minutes from 2021 Virtual Winter Meeting** - motion by Charlie Henck to approve winter 2021 minutes second by Dennis Wessel. No nay votes, no abstains, so motion passes 4-0-1 (Chair NV)
- 5) **Agenda Comments and Updates** - none
- 6) **Chairman’s Comments and Section 9 Report** - TC Chair breakfast report from June 2 by Doug Cochrane

7) Activity form June 18 ver 20-03. Also, optional TAC motion form - financial impact needs to be adjusted.

Now called functional groups (FG)

Want feedback on hybrid meetings. Will be some f2f some remote starting in Vegas

Email tcmeetings@ashrae.net 2 weeks before online mtg, 4 weeks before f2f.

New email asktac@ashrae.net . Also sh9@ashrae.net

Strategic plan extended by 1 year to 2025 because of pandemic

Abstracts Vegas due July 2, 2021

Seminar proposals Vegas due Aug 2, 2021 as per Charlie

Webinar on basecamp

Agenda out 30 days before meeting, minutes posted 60 days after meeting.

There is an FG evaluation form

TAC has open mic at their meetings

Victor Goldschmidt has training videos (soft skills) on TAC basecamp

Webmaster also becomes basecamp manager

Developing template for meeting agendas in ppt for Vegas

New MTG for ventilation for infection control (from ETF)

8) **ASHRAE Liaison Reports:**

a) Society (e.g., TAC, Standards, Research, Handbook) - no one in attendance for update

9) **TC Subcommittee Reports:**

a) Programs (Molnar) - since no chair in attendance. Went over what had already been proposed and added a couple

b) Kelley – Vegas HVAC challenges & opportunities. Perhaps another editor

c) John Molnar – grow facilities?

d) Pet relief for airport (indoor facilities and plants) Ken Warren SeaTac airport. Asked for email outlining everything. Kelley may have something as well.

e) Toronto - Controls over energy. Makes systems hard to operate. 90.1 seems to be adding more controls

f) Toronto – impacts of etf considerations and use of ASHRAE guidelines, the good and bad- Phil can put something together with multiple building types. Perhaps Bill Banfleth from etf.

Old topic was design challenges for multifamily buildings

Note: Mark Pavol says that Vegas will have a topic on mixing boxes

ACTION: confirm with John Molnar as program chair, Kelley, Ken Warren if any further developments on this proposal

g) Honors and awards (Duda) - no report

h) Membership / Upcoming Roster Revisions (Fly)

- | | |
|---------------------------|-------------------------------------------|
| i) <u>Rolling off (3)</u> | <u>Roll on (4)</u> |
| (1) Jay Eldridge | (1) Mark Pavol |
| (2) Jeff J Traylor | (2) Ken Warren |
| (3) Stephen W Duda | (3) Dennis Wessel |
| (4) | (4) Phil Trafton – coming on as secretary |

ii) Conversion of Provisional to Corresponding:

Confirm final slate – Chair – Fly, VC – Cochrane, Sec – Trafton (VM)

iii) Are other chairs willing to continue? Program-John Molnar?, Handbook- Jay Eldridge, Research-?, Standards-Charlie Henck. ACTION: confirm if John Molnar is both program chair and research. Mark Fly to confirm if roster changes above have been done including 1 extra as Phil Trafton is becoming secretary

- i) Standards (Henck) Guideline 16 – recommend by Phil Trafton, Dennis Wessel. Last August Charlie Henck went over errata. One reference needs to be updated (can be done by cognizant party).
- j) Motion to reaffirm Guideline 16 by Charlie Henck second Doug Cochrane. No nay votes, no abstentions. Motion passes, 4-0-1 (Chair NV)
- k) CFD modelling on mixing boxes program in Vegas. Mark Pavol would do RTAR on standards for mixing boxes if needed but needs assistance. A lot of discussion on no standard or method of test for mixing.
- l) Guideline 22 update – Jon Vucci said we had put it out for PPR to chair
- m) Handbook Subcommittee (Eldridge): attended training. Chapters not yet transferred to word. Heather Kennedy staff working on it. Will send list of names for chapters. Basecamp or authoring portal? Authoring portal better for tracking.
- n) Research Subcommittee Report. (Molnar) - no report. Need to confirm who chair is.

10) **Training and Education Committee** (Henck) - no longer on committee. Delete from reports

11) **Publications** (--) no report

12) **Website** (Elizabeth Primeau) - not much of update. Will post minutes

13) **TC/PC Liaison Reports**

- a) TC 4.03 – Ventilation & Filtration (S. Duda) - no report
- b) SSPC-300 Commissioning Process for Building & Systems (Blalock) - no report
- c) TC 5.1 – Fans (Eldridge) - fair amount of work on handbook.
- d) TC 5.06 – Control & Smoke (--) no report
- e) TC 7.01 Integrated Building Design - no report
- f) TC 7.09 – Building Commissioning (Blalock) - no report
- g) TC 8.07 -Variable Refrigerant Flow (--) no report
- h) TC 9.08 – Large Building Applications (Molnar) - meet later
- i) TC 9.09 Mission Critical -(Mark Pavol) - meet tomorrow. New white paper put out. Liquid cooling will be a lot of discussion
- j) TC 9.10 – Laboratory Systems (Cramm/Henck) - meet thurs

- k) TC 9.12 – Tall Buildings (Wessel) - missed meeting
- l) SSPC 15 Mechanical Refrigeration Safety (Vucci / Johnson) - meeting 4 times this month. Ventilation subgroups to match ul240 code. Addendum I – application by refrigeration safety groups. A lot dealing with a2l refrigerants.
 - (a) SSPC 62 – Ventilation for IAQ (Trafton) – Phil Trafton has not been able to attend main meeting
- m) SPC 188 Legionella in HVAC (-) no report
- n) MTG RAC – Guide for Maintenance of Chiller plants (Vucci) - training program with UNEP. Guide for 3rd world countries. Maintenance guide. Howie took over from John.

14) **Old Business**

Status of possible tc 9.1 & 9.8 merger? - no news? TAC section head was to reach out to tc9.8 chair. Dennis Wessel confirms nothing in winter minutes or on upcoming agenda so looks like nothing happening.

- a) Publications Request we be cognizant revision of “HVAC Simplified”- subcommittee Cramm-chair, Henck. Awaiting responses from staff to proceed

15) **New Business** - ASHRAE is looking at putting out guidelines on electrification through Decarbonization task force (especially California, New York). More desire for heat pumps. California out of natural gas by 2030 and including fuel gas by 2050 as per Phil Trafton.

16) **Next Meeting** – Vegas face to face with remote component

17) **For Good & Well Being** - went around the virtual room

18) **Adjourn** Motion to adjourn by Dennis Wessel, second by Phil Trafton. Meeting ended at 6:13PM EST