



Saturday, January 20, 2024 1:00 PM – 3:00 PM CST

TC 9.07 Educational Facilities

Minutes

(DRAFT)

Hybrid Virtual/In Person Meeting

(Establish Quorum: # of voting members present exceeds 1/2 of the # of total voting members of the committee (9 VM))
10 voting members and xx non-quorum

1) Call to Order 1:02pm

- a) Scope of 9.7
- b) Code of Ethics
- c) Introduction of Members and Guests
- d) Quorum established: 8/10 voting members plus xx non-quorum member are present
- e) No Vote on Meeting minutes from Annual Conference – Not released

2) Handbook

- a) Handbook Assignments:

3) Subcommittee Reports

- a) Programs (Catherine Tinkler)
 - 1. Was a meeting- minutes coming from Catherine Tinkler
 - 2. Note on 9.7 sponsored seminar on Wednesday- please attend
 - 3. Brainstorming session on future programs. Need to find someone to help drive them forward so we are not just brainstorming
 - 4. Various topics discussed for future programs.
 - a. Track 5- legislation funding, AI (engineer co-pilot (how to get started), data collection, geothermal and funding) Proposed expanding on the work of Raj Setty in Washinton DC.
 - 5. Chris discussion for funding available, specifically in Oregon. Sheet Metal Workers Local 16 and Northwest Council assisting and providing grants to schools to go after the government funding (rural, tribal, low income). The program helps those who typically don't know the grants or how to get to the money. This program has achieved some of the goals of the ASHRAE DOE partnership.
 - a. Program currently covers 129 projects in Oregon and 85 in Washington
 - b. Expanding into CCIA
 - i. 6 Billion in grants
 - ii. 14 Billion in 0% interest loans
 - 1. Could be forgiven if rural, tribal, low income
- b) Roster Chair (Chair)
 - i) The following is a list of TC-9.7 voting members and officers:

Full Name	Company	Position	Email



Corey B Metzger	Resource Consulting Engineers	Chair	corey.metzger@resourcece.c
Catherine Tinkler		Vice Chair	catinkler@yahoo.com
Dr Itzhak H Maor		Handbook Subcommittee Chair	imaor@verizon.net
Tom S J Jacknisky		Research Subcommittee Chair	tom.jacknisky@smithandandersen.com
Christopher Ruch	NEMI	Webmaster	cruch@nemionline.org
Keith Hammelman	Cannon Design		khammelman@cannondesign.com
Rajnish B Setty	Setty & Associates International, PLLC		setty@setty.com
Mark Long	Systemair	Secretary	mark.long@systemair.net
Bruce Lindsey	Trane		bruce.lindsay@tranetechnologies.com
John Gibbemeyer			

- c) Research (Tom Jacknisky) – no update
 - i) Looking at some possible Research Topic Acceptance Request (RTAR)
 - ii) Any suggestions for research? Some discussion had, to be taken offline for more detailed conversations
- d) Handbook (Itzhak Maor)
 - i) End of July 2026 deadline for submissions for 2027 handbook
 - (1) Discussion on daycare addition. Is facilities serving ages 0-3 considered an educational facility? Being evaluated and investigated
 - (2) Regular updates
 - (3) To circulate Table of Contents to TC for review
 - (4) How do we build up the subcommittee to support Itzhak?
 - (a) Micheal Baily (online) offered to help where he can
 - (5) Bruce- can we add info to handbook as to where to find funding, etc, guidelines
 - (a) Better to have as a guideline and not in handbook. Great idea to have that info, handbook not likely best conduit as things can change. Discuss with TC 7.3
- e) Standards (Chair) - not present at meeting
- f) ASHRAE Strategy (Chair) - not present at meeting
- g) Webmaster (Christopher Ruch) –
 - i) Working on getting info added
 - ii) Working on making things easier for non-members
 - iii) Would like feedback from group on improvements can made
 - iv) Heather- should have photo of TC on website
 - v) Links for grants, and valuable info to our members
 - (1) GAC has bi-weekly newsletter with updated information
 - (2) Add IRS User Guides
 - (3) ASHRAE Government Affairs Committee (GAC) Updates

4) Unfinished Business



- a) Scope review
 - i) Attempted to make a few changes to TC scope (have Corey provide details (add heating))
 - (1) Make official motion
 - (2) Do we include life safety?
 - (3) Do we add IAQ?
 - (4) Catherine
 - (a) Motion to Amend scope, Keith seconded the motion
 - (i) Discussion
 - 1. to add heating, IAQ, remove life safety
 - 2. TC 9.7 is concerned with the application of heating, ventilating, air-conditioning, refrigeration, life safety, air quality and energy conservation systems to educational (secondary school, college) facilities.
 - 3. All in favor, chair not voting
 - 4. Has to go to Technical Activities Committee (TAC) for approval
- b) Design guidance document
 - i) Review against standard 241 to align. Also to review against guideline 42
 - (1) Should we review against 62.1 and others?
 - (2) Intend is a public facing guideline, not for detailed and education professionals necessarily. Initially certain members of ASHRAE did not understand the purpose of this document. This document is designed to be a functional tool for the public and the engineer. The document does not take the place of standards like 42 or 241 but instead guides them to ASHRAE's valuable resources.
 - (3) 241 was intended to address a pandemic --- the 9.7 document is meant for improving general IAQ
 - (4) How do we address items not addressed in standard?
 - (5) Concerns raised by attendees on at engineers need to make real world decisions and take on liability for projects. Many of the 241 authors were academics/scientists/commissioning agents and not active mechanical engineers.
 - ii) Version 3.0 draft
 - (1) Do we get rid of nurse suites?
 - (a) Alter to point to standards in place
 - (b) Rewrite section completely
 - (2) Risk tolerance
 - (a) Do we remove? 241 answers this for us? Do we rewrite as it is subjective?
 - (3) Every time we use ventilation, we should consider how we are using
 - (4) Reference standards where we should
 - (5) CO2 reference
 - (6) Verify the ability to increase ventilation about scheduled- how do we address this?
 - (7) Comparing facilities
 - (8) MERV 11 as basis as opposed to MERV 13
 - (a) Several concerns raised by attendees on the removal of a recommendation for MERV 13
 - (9) Remove epidemic task force references and make to standards



(10) Air Changes Per Hour (ACPH) to CFM/person

5) New Business

- a) Note on what is happening Illinois regarding Ventilation Verification legislation via guest (Tony Colaneri)
 - i) IACA (Indoor Air Care Advocates) Parent Group
- b) Technical Activities Committee (TAC) Update: Brad Cochrane-
 - i) Activity form- Corey Metzger to check if he received it, due 9pm Tuesday
 - ii) Updated the roster process
 - iii) How many go regularly to chapter meetings
 - (1) How do we get more involved in committee meetings? Looking for feedback. Virtual is now an option (50,000 membership in ASHRAE, about 1000 in committees)
 - (a) Corey Metzger- can we get a program in place that can be taken to local chapters, presented?
 - (b) Catherine Tinkler- Presidential Award of Excellence (PAOE) points are available. Implement TC liaisons to chapters?
 - (c) Chris Ruch (Webmaster)- on website tried to demystify what it takes to become a member of a Technical Committee (TC)
 - (d) Bruce Lindsay - employers are not willing to pay for fees
 - (e) Promote its virtual or hybrid. Have better virtual technology
 - (f) Heather- chapter presidents can pull reports on membership involvement and promote them, have them promote, PAOE points available, etc
 - (g) Heather Schopplein - Reduced conference costs are offered with volunteering, etc- promote it
 - (h) Raj Setty- have chapters promote national stuff once a year
 - (2) Artificial Intelligence (AI)
 - (a) Look at how we get ASHRAE publications to work with AI
 - (b) Look at best practices for using AI, particularly in coordination with ASHRAE
 - (3) TG 9 Space – Extraterrestrial and Deep Space Environmental Control Systems
 - (a) Approved as a TC
 - (4) Membership – did research that 1 to 1.5% are fellows. Typical average should be around 5%
 - (a) Push people to apply and get them on list
 - (i) Member has obtained distinction
 - (ii) Members see as person of interest
 - (iii) Impact on our industry
 - (iv) Look to have an honors chair for TC
- c) How do we get sign in from online peeps?
 - i) Corey Metzger to take a screenshot
- d) Raj Setty- Secondary audits
 - i) Need a simpler process than Ventilation Verifications assessments which are preformed at 5 year intervals.
 - ii) Need for a light commissioning to verify energy and IAQ improvements after IAQ upgrades/adjustments have been completed (2-3 years)



6) Adjournment

a) 3:04pm