



TC/TG/TRG MINUTES COVER SHEET

TC/TG/TRG NO.: TC 9.08 ISSUE DATE: June 25, 2015

TC/TG/TRG TITLE: Large Building Air-Conditioning Applications

DATE OF MEETING: January 26, 2015 LOCATION: Chicago, IL

MEMBERS PRESENT	TERM END	MEMBERS ABSENT	TERM END	ADDITIONAL ATTENDANCE
Tyler Lewis, Chair Heather Schopplein, Vice Chair John Molnar, Program Sub Frank Mills, Handbook Sub Robert Cox, Research Sub Walter Horn Doug Fitts Ralph Kittler Harry Milliken Lynn Werman Tim Sechrist Boggarm Setty Richard Vehlow	6/30/2015 6/30/2018 6/30/2018 6/30/2015 6/30/2015 6/30/2016 6/30/2018 6/30/2018 6/30/2018 6/30/2017 6/30/2016 6/30/2015 6/30/2015	Steve Nicklas, Secretary/Webmaster Vinay Ananthachar	6/30/2017 6/30/2017	Corresponding Members: Cecily Grzywacz Nirmal Ram John Harrod Provisional Corresponding Members: Liaisons / Staff / Ex-Officio Members: Rick Hermans, Standards Sub Chair Guests: Mustafa Morsy Rusty Tharp Chad Bowers Mike Stein

DISTRIBUTION

ALL MEMBERS OF TC/TG/TRG

TAC COMMITTEE CHAIR: Walter Grondzik (NP)

LIAISONS:

Handbook: Christopher Ahne (NP)

ALI/Professional Development Liaison: Hugh McMillan (NP)

Staff Liaison: Michael Vaughn (NP)

TAC SECTION HEAD: Thomas Lawrence (NP)

Research Liaison: Kishor Khankari (NP)

CTTC Liaison: Jay Cederberg (NP)

Standards Liaison: Malcolm Knight (NP)

** NP Not Present

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TC 9.08 Large Building Air-Conditioning Applications

Meeting Minutes

Meeting Date: January 26, 2015

2:15 PM - 4:15 PM

Palmer House Hilton 3rd Floor Salons 5/8

I. Call to Order

- a. Chair T. Lewis called the meeting to order at 2:20 PM local time
- b. Introduction of Members and Guests
- c. Self-introductions of members and guests were made around the table as the attendance roster was circulated. Chair welcomed all members and visitors.

Voting Members: 13 Present 2 Absent, Quorum achieved

Voting Non-Quorum Members: 0 Present 0 Absent

Corresponding Members: 3 Present

Provisional Corresponding Members: 0 Present

Society Liaisons: 1 Present

Staff Liaisons: 0 Present

Guests: 4 Present

Note: Voting Non-Quorum members are voting members if present, but do not count against quorum if absent.

- d. Agenda Review – no changes

II. Old Business

- a. Summer 2014 – Seattle Meeting Minutes
 1. Motion to approve meeting minutes: R. Kittler, Second: Cele., Vote: 13-0-0-CNV-2
 - a) John Molnar and Frank Mills arrived after the meeting minute approval
 2. Revise John Molnar's Last Name in Meeting Minutes

III. Subcommittee Reports

- a. Research Subcommittee Report (B. Cox)
 1. Develop research plan to tie into handbook
 2. Subcommittee will meet before next meeting
 3. B. Cox will create a research plan before the Atlanta meeting
 4. Ralph K stated that TC9.8 (natatoriums chapter group) and TC 8.10 will be meeting Feb 11, 2015 with the CDC on pools. They will look into possible co-sponsoring of research to possibly turn into code.
- b. Program Subcommittee Report (J. Molner)
 1. Workshop has a moderator and 2 presenters (not a forum)
 2. CEC is not adequate feedback on why forums, seminars, and workshops are being rejected.
 3. Per B. Cox, conference papers and research papers are typically automatically approved by CEC
 4. Submission abstracts are due March 23rd for Orlando.

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5. Chicago: Workshop (H. Milliken, B. Setty, need a contractor) Back to Basics: The Art of Writing a Technical Specification and Schedule of Performance
 - a) Workshop to be reworked to be controls based with spec section specific inclusion.
 - b) It would also include issues with control integration with emphasis on chiller plants.
 - c) Since workshops are limited in presenters we may resubmit as a forum.
 - d) R. Hermans suggested Jim Fields for the contractor position
 - e) R. Vehlow will reach out to B. Setty to be engineer representative and moderator.
 - f) Rick H. could be manufacturer representative
 - g) J. Fields could be contractor representative
 - h) Nirmal could be facilities manager representative
 - i) The goal will be to generate a checklist for inclusion in a handbook chapter. [Fundamentals and Applications Track]
6. Atlanta: Forum (D. Fitts) on Fire Stations, Fire and EMT Training Academies to generate content for a new applications handbook chapter. This will be in our handbooks programs timeslot (morning). [Fundamentals and Applications Track]
 - a) R. Kittler has contacts at the Atlanta Fire Department
7. Orlando: Seminar (W. Horn, L. Harriman) Hospitality, how to handle DOAS, PTAC and pool dehumidification for hotels.
8. Orlando/St. Louis: Biomass Conference Paper (F. Mills and two other speakers). F. Mills was not present at time of discussion to comment.
9. Orlando/St. Louis: Atrium Seminar (F. Mills and two other speakers) F. Mills was not present at time of discussion to comment
- c. Handbook Subcommittee Report (F. Mills)
 1. Our chapters have been approved
 2. Revisions can be approved if it is approved at a later date, it will go into the online Handbook. 11% of members are opting for online only (no printed copy).
 3. Chapter 2 Retail:
 - a) Chapter Lead –V. Ananthachar
 - b) Chapter Support – B. Setty
 4. Chapter 3 Commercial and Public Buildings:
 - a) Chapter Lead - W. Horn
 5. Chapter 5 Places of Assembly
 - a) Chapter Lead – B. Cox
 - b) 2019 Handbook: Places of Assembly will change to Atria
 - c) Ice rinks are included in this chapter
 6. New Chapter Natatoriums (this is removed from Chapter 5's scope)
 - a) Chapter will be co-authored by R. Kittler., H. Milliken, and T. Sechrist
 - b) Contributors will be M. Scott and B. Barrett
 - c) Updates on natatoriums submitted as part of existing Chapter 5
 - d) If we want changes to natatoriums we can get it included in the digital version.



- e) New title idea for chapter: Indoor Swimming Pools and Water Fixtures
- 7. Chapter 6-Hotel, Motels and Dormitories
 - a) Chapter Lead - H. Schopplein
 - b) Chapter Support - Mustafa
 - c) Motion to be considered in Atlanta; Change Chapter Name to “Hospitality and Dormitories”
 - d) Dorms are not included in TC 9.7’s (Education) scope per F. Mills
- 8. Chapter 23-Museums, Galleries, Archives and Libraries (MGAL)
 - a) Chapter Lead - C. Grzywacz
 - b) One of the highest chapters downloaded
- 9. B. Cox mentioned the possibility of a new chapter on Multi-Use Facilities
 - a) This topic has a huge interest, although we have individual chapters, but no chapter that addresses system selection based on multi-use or integration of systems for multi-use facilities.
 - b) Nirmal has been involved in many mixed use projects in India, and may be a good contributor for a new chapter.
- 10. Frank Mills suggested that the committee begin revising the chapters as the online edition of the Handbook can be revised at any point.
- d. Membership Subcommittee Report (T. Lewis)
 - 1. Vice Chair Nominations: Two Year Term
 - a) Nomination: Doug Fitts; Fitts declines nomination at this time
 - b) Nomination: John Molnar; Molnar accepts. Molnar will be the Vice Chair beginning 07/01/15
- e. Webmaster Report (T. Lewis, R. Westbrook absent)
 - 1. Site still needs to be updated.
 - 2. H. Schopplein volunteered to take over site
 - 3. Recommendation to talk to TC 9.6 website chair for suggestions and ideas

IV. Liaison Reports

- a. TAC Section 9 Report (T. Lewis)
 - 1. TAC has developed a new award called the Outstanding Technical Committee Report.
 - 2. New Multidisciplinary task groups (MTG) have been formed
 - a) MTG.O&MEE-Operations and Maintenance Activities that Impact Energy Efficiency
 - b) MTG.HPAS-High Performance Air-Handling Systems for Buildings except Low-Rise Residential Buildings
 - 3. Orlando Meeting (January 23-27, 2016)
 - a) Conference Paper abstracts due March 23, 2015
 - b) Technical papers due by April 20, 2015
 - c) Seminar, Forum, Workshop proposals due August 10, 2015
 - d) Conference Website: <http://www.ashrae.org/orlando>
 - e) Program Tracks
 - (1) Systems and Equipment
 - (2) Fundamentals and Applications

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- (3) Design Build
 - (4) International Design
 - (5) Standards, Guidelines and Codes
 - (6) Cutting-Edge Technologies
 - (7) The Great Debate
 - (8) Modern Residential Systems
4. PCD is looking for new ALI course ideas.
 5. If we want to do a separate chapter on ice rinks/sports complex (J. Molnar has resources)
 6. We need ideas on how to better sell handbook involvement.
- b. RAC Report (T. Lewis)
1. Status update on approved co-sponsor of the resubmission of the resubmission of research project (Work Statement 1566) with TC 8.10
 - a) H. Milliken: Got RTAR approved by do not yet have a task order.
 - b) Right now the task order is stagnant but they will be meeting on January 27th with TC 8.10 have hope to have more discussion
- c. TC 8.10 Mechanical Dehumidifiers & Heat Pipes (H. Milliken):
1. R. Kittler: Meeting with CDC. Wrapping up the handbook chapter and voting on it tomorrow
 2. Projects with DOAS units and active dehumidifiers will be used to create a new handbook chapter
- d. TC 9.04 Justice Facilities (D. Fitts)
1. Working on a new design guide for Justice Facilities
 2. Sunday meetings are being expanded by 1 hr (8-11 am)
 3. Rich Vilo to chair a program in Orlando
- e. TC 9.06 Health Care Facilities (B. Cox)
1. No report
- f. TC 9.07 Educational Facilities (F. Mills)
1. No report

V. Standards (R. Hermans)

- a. SSPC 55 Thermal Environmental Conditions for Human Occupancy
 1. Nothing to report
- b. SSPC 62.1 Ventilation and Acceptable IAQ in Commercial, Institutional and High-Rise Residential Buildings
 1. Nothing to report
- c. SPC 90.1 Energy Efficient Design of New Buildings
 1. Scheduled republish in 2016
 2. There are a lot of addenda in the current version that will be incorporated into the republish
 3. Today was a historical event, Addendum 'BM' has been passed
 4. H. Milliken is working on a revision, by April, to dehumidification & DOAS systems and moisture removal efficiency
- d. SPC 100 Energy Efficiency in Existing Buildings

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1. Publication was not approved (they are appealing the decision)
 2. Committee has made revisions and re-voted to publish
 3. Publication is up for approval on Wednesday
 4. Many people are trying to shoot down the publication, as it is a debate between site and source energy and which should be used to determine performance.
- e. GPC 34P Energy Guidelines for Historic Buildings
1. C. Grzywacz: there will be a first draft of the publication out for review in the next 6 months.
- f. SPC 170P Ventilation of Healthcare Facilities
1. Committee is meeting tomorrow
 2. Looking into discussion/topic on cost “cutting” in hospitals
- g. Standard 180 Standard Practice for Inspection and Maintenance of Commercial Building HVAC Systems
1. C. Grzywacz: there are issues in California relating to the standard. The committee is working on resolving
- h. Standard 189 High Performance Buildings**
1. B. Setty: There is a Memorandum of Understanding with IGCC. The two will be merging.
 2. Meetings will take place Tuesdays and Wednesdays
 3. Lots of addendum are expected

VI. New Business

- a. Vice Chair Nominations:
1. 2 Year term to begin July 1, 2015
 2. Nominations:
 - a) Doug Fitts (declined nomination)
 - b) John Molnar (accepted nomination)
 - c) No additional nominations heard.
 3. Informal vote to appoint John Molnar as Vice Chair, Vote: 10-0-2-CNV-2

VII. Adjournment

- a. Meeting adjourned at 3:55pm, local time.
- b. Motion to adjourn: L. Werman, Second: C. Grzywacz Vote: 12-0-0-CNV-2

End of Minutes

Action Items from Above Meeting:

	Action Item	Person Responsible	Due Date
1	Create research action plan	B. Cox	June 2015
2	One page summary of where each chapter currently is and an MBO (management by objectives)	All Chapter Chairs/Leads	June 2015

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Respectfully submitted by:

Heather Schopplein, Secretary

Secretary's Note: All votes recorded herein are formatted as Aye-Nay-Abstain-Chair Not Voting-Absent.

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