



1791 Tullie Circle, N.E./Atlanta, GA 30329
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Technical Committee (TC) MINUTES COVER SHEET

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

TC No. ASHRAE TC 01.08

DATE: 10 July, 2020

TC TITLE: MECHANICAL SYSTEMS INSULATION

DATE/Time of MEETING: 06 July 2020 @ 3:00 PM, EDT LOCATION: VIRTUAL MEETING

Voting MEMBERS PRESENT	Vote/ YEAR APPTD	Voting/ MEMBERS ABSENT	Vote/ YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Willis "Bill" Brayman	Yes/2018	Marcus Bianchi	Yes/2016	Jim Young
Gordon Hart	Yes/2018			Charlie Haack
Diana Fisler	Yes/2017			Alec Cusick
Monroe Shumate	Yes/2017			Andre Desjarlais
Bill Ronca	Yes/2019			Natalia Maximova
Steve Sanders	Yes/2019			Pat Noonan
Charles Petty	Yes/2017			Kartik Patel
Manfred Kehrer	Yes/2018			Craig Wray

DISTRIBUTION: All Members of TC plus the following:

TAC Section 1 Head: Ms. Jenifer Leach	Pennst8jen@yahoo.com
All Committee Liaisons as Shown On TC01.08 Rosters (Research, Standards, Handbook, etc.)	See ASHRAE email alias list for needed addresses.
Mike Vaughn, Manager Of Research & Technical Services	MORTS@ashrae.net

Note: These minutes were approved during the TC 01.08 Virtual Meeting on 25 January, 2021

Chair called the TC to order at 3:02 PM EST. The Agenda was projected and emailed.

Members & Guests: Attendee information was taken from the ZOOM meeting login information.

ASHRAE Code of Ethics Commitment: – TC Chair – Willis “Bill” Brayman

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. (See full Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.)

Membership:

There was a total of 8 voting members present during the meeting. A **quorum** required $\geq 50\%$ of a total 9 voting members. For this meeting, minimum of five (5) VM meets the TC’s quorum requirements. A quorum was achieved. There were 8 non-voting members present for all or part of this meeting.

Notice: The TC Roster for the next Society year has changed to be effective as of 02 August, 2020.

Approval of Agenda:

Agenda for this meeting was approved as revised (combining items 8. and 9.) by a vote of 8/0/0.

Minutes:

Minutes from the Orlando, 15 February, 2020 meeting were briefly discussed. Motion was made by Gordon Hart and seconded by Manfred Kehrer to approve with correction of 3 typographical errors on page 2. Motion passed 8/0/0.

TC Membership (Bill Brayman)

The TC Chair is required to submit a “TC Activity Feedback Form” to the Section 1 Head by Tuesday night, 9:00 pm, 07 July, 2020. This Form includes all the technical activities and number count for the TC Committee activities, all the Subcommittees activities, including requests for membership changes with nominations for the TC chair, TC Vice Chair, Voting Members, Corresponding Members and TC-VM special requests subject to TAC approvals to be effective as of 02 August, 2020.

▪ **TC 01.08 Voting Member Roster as of 01 July, 2020**

Willis “Bill” Brayman – Chair	(07/01/2017-06/30/2020)	Monroe Shumate - Vice Chair	(07/01/2017-06/30/2020)
Gordon Hart - Research Subcommittee	(07/01/2018-06/30/2021)	Dr. Diana Fisler -	(07/01/2017-06/30/2021)
Charles Petty Proposal Evaluation SubCommittee (PES) RP-1703	(07/01/2017-06/30/2021)		
Dr. Marcus Bianchi	(07/01/2018-06/30/2020)	Manfred Kehrer	(07/01/2018-06/30/2021)
William “Bill” Ronca	(07/01/2019-06/30/2023)	Steven Sanders	(07/01/2019-06/30/2023)

- **Review** the following ASHRAE eligible members (Ref: Manual of Procedures {MOP}– Sections 2.1, 2.3, 3.1.2, 3.2, 3.2.2, 3.2.5, & 3.2.6

- TC Chair *selected* with appointment by the TAC chair after consultation with the Section 1 Head and beginning 02 August, 2020 the following TC 01.08 positions: TC 01.08 Chair: Monroe Shumate and TC 01.08 Vice-Chair: Dr. Diana Fisler
- The TC Chair *reaffirms* (7) on an annual basis the following TC 01.08 Voting Members (VM): for another year beginning 02 August, 2020 the following: Monroe Shumate, Diana Fisler, Charlie Petty, Gordon Hart, Manfred Kehrer, W. Bill Ronca, & Steve Sanders.
- The TC Chair *selected* (6) Eligible {MOP Section 3.2 TC Voting Members}, and TC 01.08 approval as Voting Members (VM) beginning 02 August, 2020: Pat Noonan, R. Alan Neely, Andre O Desjariais, Jim Young, Kartik Patel, & Art Giesler.
- The TC {MOP Section 3.2.3 TC-Voting Members} *approved* an additional voting member-Non-Quorum (VMNQ) privileges term approval by the Section 1 Head for beginning 02 August, 2020: Willis “Bill” Brayman
- TC Chair *selected* (4) Provisional Corresponding Member for approval as Corresponding Member (CM) beginning 02 August, 2020: Ms. Heather Sharif, Ms. Jayamalar Dorsey, Charles Haack, & Shane Spence
- TC Chair *selected* (1) guest for approval as a Provisional Corresponding Member (PCM) beginning 02 August, 2020 pending completion of an on-line application: Ms. Natalia Maximova

Liaison Reports:

Craig Wray, Standards Liaison introduced himself to the group. TC 01.08 is not currently responsible for any standards, and does not currently have a chairman for the TC 01.08 Standards Subcommittee. TC 01.08 has an interest in parts of several standards such as ASHRAE 90.1 and 189, but does not have an official liaison to the committees responsible for those standards.

Other staff liaisons were unavailable for the virtual meeting.

Research Subcommittee (Gordon Hart - Chair):

While the Research Subcommittee has not met recently, both the voting members and the Project Evaluation Subcommittee (PES) for 1703-TRP - Performance of Vapor Retarder Systems Used on Mechanical Insulation, have been busy. The PES recently reviewed proposals from four contractors to ASHRAE’s Request for Proposals for 1703-TRP; these proposals were sent to ASHRAE’s Research Liaison by May 15. The PES, consisting of Charlie Petty (Chair), Bill Brayman, Jim Young, Monroe Shumate, and Gordon Hart, first reviewed proposals from the four bidding contractors based only on five Evaluation Criteria which they, the PES, had written. The PES made their selection, which they communicated to the ASHRAE Research Liaison, then ASHRAE’s RAC provided the PES with the prices. It turned out that the contractor with the highest score, based on the five Evaluation Criteria, was also the contractor with the lowest price. Subsequently, the nine TC 1.08 Voting Members all voted to confirm the PES decision (minus most of the detail which was confidential to the PES members). The PES decision was to award the contract to one of the contractors. The quote was to start this research project in September 2020. RAC has voted to confirm the TC 1.08 recommendation. However, until RAC awards the contract, this start date is not yet confirmed. There is a possible delay do to an ASHRAE Research funding shortfall.

The TC Chair threw in that in accordance with the MOP, 5.8 Research, 5.8.2: Reference the Approval of PES and PMS; the TC Chair recommends the following Project Evaluation Subcommittee (PES) members consisting of Charlie Petty Bill Brayman, Jim Young, Monroe Shumate, and Gordon Hart, to become the Project Monitoring Subcommittee (PMS) members as approved by the Section Research Liaison. This PES membership will come to be the PMS membership upon the TRP-1703 project being approved for funding by Research Administration Committee (RAC).

Gordon Hart continued: There was no progress on the other two research projects discussed at the Orlando meeting in February. These are RTAR 1871 - Hygrothermal Modeling of Below Ambient Pipe Insulation Systems in Both Buildings and Refrigeration Systems, and RTAR 1862 - Determining the Impact of Sealing Hot Insulation System Metal Jacketing Joints on Water Intrusion and Retention in the System.

Handbook Subcommittee: (Bill Brayman - Chair)

The TC 01.08 Handbook Subcommittee's authors spent 3 years meeting some face to face, *Go To Meeting* conference calls, and lots of back & forth e-mails, for the purposes to review and refine ASHRAE's *Fundamentals* Handbook, Chapter 23. All the authors, namely Monroe Shumate, Jim Young, Pat Noonan, Charles Petty, and myself, Bill Brayman, were almost ready for a Chapter 23 *review* for the entire TC membership when one of the authors wanted some numbers to be securitized (technical analysis) within the old Chapter's Table 8. That was in February, 2020, and later on, the Table's necessary ASTM data was updated.

Finally, the TC chair e-mailed all the TC membership (VM, CM, & PCM) the revised DRAFT copy of Chapter 23 for *review* and at the same time, asked if anyone had any significant changes. Two manufacturers asked for a couple of small revisions; the 6 authors discussed and voted unanimously that the revisions were to be editorial changes.

Then, after that the TC 01.08 Chair e-mailed a Letter Ballot containing the DRAFT Chapter 23 to the 9 TC Voting Members to approve the Handbook Authors technical refinements and revisions to the 2011 - 2017 volume edition of ASHRAE Handbook – Fundamentals, Chapter 23. The Letter Ballot Motion was seconded by Monroe Shumate – TC 1.8 Vice Chair. The VM expressed their preferences with a total of all 9 VM to be “For” the approval of the motion before the two-week time deadline.

The TC chair will ASAP complete the ASHRAE Checklists** and e-mail the *approved* Chapter 23, Word® document to both the ASHRAE 2021 Handbook Fundamentals, Guy Frankenfield, and the ASHRAE Editor, Heather Kennedy.

** The TC Chair received the O.K. to include for recognition, each author's name & company affiliation to the *Fundamentals* Handbook, Chapter 23 Contributors List.

TC Handbook Chair Comments:

1. During the final review process, a few TC members requested for additional insulation installation categories to be added to Chapter 23.

The authors stated that they had to stop at this review time and publish the work completed with the understanding that the **HbSubC** will start over on Chapter 23 sometime after when published on ASHRAE's website or no later than the Handbook Subcommittee meeting next January, 2021.

2. Chapter 23 references Chapter 48 – HVAC Applications several times: Jim Young, TC 10.3 Handbook chair has recently reviewed and updated Chapter 48’s knowledge base regarding mechanical insulations.
3. Chapter 23 references on Page 23-1 the following three “Building Envelope” chapters: Quote, “Fundamentals of thermal insulation are covered in Chapter 25; applications in insulated assemblies are discussed in Chapter 27; and data on thermal and water vapor transmission data are in Chapter 26.” Unquote...
TC 01.08 Handbook Chair is looking for a volunteer or volunteers to review for technical content & refinement / updating on these Chapters.
Diana Fisler, Chair TC 4.4 offered and will report to the next Handbook Subcommittee meeting next January, 2021.

Secretary Note: The Handbook subcommittee chairman requested and received verbal permission from the Chapter 23 authors to list their names and corporate affiliations (where applicable) as contributors of this chapter in the 2021 ASHRAE Fundamentals Handbook.

Program Subcommittee (Alan Neely - Chair):

Alan was unable to attend the 7/6/20 virtual meeting, but has provided the following report:

Proposed seminar: “Idle Buildings are the devil’s playground” has been approved by TC 1.12 Sponsor), TC 1.8 and TC 4.4 for Chicago. Diana Fisler (TC 4.4 & Monitor) has requested speakers from each TC to present. Noonan and/or Brayman volunteered to be the speaker for this presentation.

This is the overall publication schedule for the 2021 ASHRAE Winter Conference, Chicago. For specific details and questions regarding these dates, please contact this TC’s Program Chair and or the appropriate Track Chair.

For 2021 Chicago Deadlines are as follows:

June 15, 2020	Website Opens for Seminar, Forum, Workshop, Debate, and Panel Proposals
July 8, 2020	Final Conference Papers Due - Submitted for Review (Includes Bio, Learning Objectives and Methods of Assessment); Request for Conference Paper Sessions Due
July 27, 2020	Conference Paper Accept/Revise/Reject Notifications
August 3, 2020	Seminar, Forum, Workshop, Debate, and Panel Proposals Due
August 10, 2019	Revised Conference Papers/Final Technical Papers Due
August 24, 2020	Conference and Technical Paper Final Accept/Reject Notifications
October 5, 2020	Seminar, Forum, Workshop, Debate, and Panel Accept/Reject Notifications

Although the Chicago’s deadline dates are upon us, we are still looking for more Programs, Seminars, Workshops, & Debates for next year, 2021, in Phoenix.

A second possible seminar that was suggested in Orlando was “Good, Bad, Ugly” ... Phoenix might be a better fit for this program as opposed to Chicago in the winter. TC 6.2 (District Energy would co-sponsor.

This is the overall publication schedule for the 2021 ASHRAE Annual Conference, Phoenix, AZ. For specific details and questions regarding these dates, please contact this TC's Program Chair and or the appropriate Track Chair.

For the Phoenix Deadlines – Conference June 26 - 30, 2021 are as follows:

Wednesday August 12, 2020: Conference Paper Abstracts, Technical Papers, and Paper Session Requests Due

Friday August 28, 2020: Conference Paper Abstract Accept/Reject Notifications

Wednesday December 2, 2020: Final Conference Papers and Request for Conference Paper Sessions Due

Monday January 4, 2021: Conference Paper Accept/Revise/Reject Notifications

Wednesday January 6, 2021: Website Opens for Seminar, Workshop, Forum, Debate, and Panel Proposals **Wednesday January 13, 2021:** Revised Conference Papers/Final Technical Papers Due

Monday February 8, 2021: Program Submissions Due / Extended Abstracts Due

Thursday February 18, 2021: Conference and Technical Paper Final Accept/Reject Notifications

Friday March 19, 2021: Program Submissions Accept/Reject Notifications

TC Chair Note: In the interest of trying to provide the TC 1.8 meeting Minutes with more important **Program** details, contact the Program Chair, Alan.Neely@owenscorning.com, for the following: Winter Conference, January, **2021 Track 1–8 Track Chairs** with their Track Scopes, Annual Conference, June, **2021 Track 1–8 Track Chairs** with their Track Scopes, **Seminar, and Workshop Proposals** “Submission Process,” plus **Forum, Panel, and Debate Proposals** with different “Submission Process.”

Webmaster Report (Kartik Patel):

Kartik reports that the website is up to date.

New Business:

- Charlie Petty moved to thank Bill Brayman for all of his efforts as Chair on behalf of TC 01.08.
- Question was asked regarding whether the meeting scheduled for Chicago in 2021 would be “live”. This may be determined at the board of directors meeting in September, 2020.
- Current published TC 01.08 rosters are not correct (notably, Willis Brayman and Marcus Bianchi, both voting members are not listed). The XLS version is particularly incorrect, with only 18 members listed (PDF, Outlook formats show 39 members). Rosters are being updated for the VM, CM, & PCM membership change-over 02 August, 2020.

Adjournment:

Motion for adjournment by Bill Brayman, seconded by Kartik Patel, with voice approval at 4:05 p.m., EDT.