



## **MINUTES**

### **TECHNICAL COMMITTEE 4.1 LOAD CALCULATIONS AND PROCEDURES**

2020 Summer Meeting

**January 25, 2020**

These Meeting minutes have been approved by vote of Technical Committee 4.1 on June 19, 2020

1. Call to Order by Chairman - Suzanne LeViseur
2. Roll Call by Rolando Legarreta – 8 of 9 members present at time of roll call; Ellyse Malherek absent at time of roll call, but present during meeting. Jinjuang Feng (Dove) Vice Chair Absent
3. Introduction of Visitors by Suzanne LeViseur

Som Shrestha, PhD - Programs

4. Approval and/or Corrections to Previous Meeting Minutes presented by Suzanne LeViseur

Steve Bruning Move to approve Houston Meeting Minutes correcting listing Som Shrestha, Phd as the Programs Liaison. Chip Barnaby Second the motion. Meeting Minutes approved by TC4.1 8-0-1 Absent.

Atlanta Meeting Minutes – Jim Peques moved to approve meeting minutes. Jeff Spitler second the motion. Atlanta Meeting Minutes approved 8-0-1 Absent. (Ellyse Malherek was present after meeting minute approval).

5. Liaison Comments –  
Section Head - Dennis Wessels, PE
  - TC Re-organization will not be extensive. Some TC's have requested Membership Mergers. Such Changes won't take effect until a year from this meeting (2020). Number of TC's will not reduce to 30 as someone has stated.
  - TC forms are due June 25, 2019. Current Version has been updated.
  - High Tower award is given to members of a TC and is presented during the winter meeting. Any Nominations should be done before September.
  - Individuals can nominate themselves to serve in Tech Council or any other Standing Committee.
  - Roster Updates will take effect July 1, 2019.

Chapter Technology Transfer - Christopher Adams – not present  
 Research - Michael Pouchak, PE – not present  
 Handbook - Bass Abushakra, PhD – not present  
 Program - Som Shrestha, PhD – At meeting  
 Staff, Research/Tech Services - Michael R. Vaughn – not present  
 TAC Chairman - Thomas Justice – not present

6. Research Subcommittee Report Som Shrestha, PhD

1729-RP: Experimental Verification of Cooling Load Calcs for Radiant Systems  
 During Sub-Committee Meeting Glen Friedman Mentioned that the Research team had requested a no cost time extension to complete the report. A Draft report has been submitted for review, and the Final Report will be provided to the TC by the Orlando Meeting.  
 Motion by Spitler to grant a No Cost Extension – Second by Legarreta, Motion Passes 9-0

1778-RP Heat and Moisture Loads from Commercial Dish room Appliances and equipment.  
 Research is on going and a draft report will be provided prior to the Orlando TC meeting for review and comment by TC members.

New RTAR to revise the Load Calculation Applications Manual; last revision was done in 2009. Can be submitted for publication and submit work statement. It was recommended to submit the work statement for Next deadline (WS 1616 attached to meeting minutes). Jim Pegues to distribute via email to committee members and Voting Members to follow up with an email ballot.

Dennis Livchak (TC 5.10) is proposing and RTAR for TC4.1 to sponsor with TC 5.10 for Heat loads of Commercial refrigeration Equipment. Rolando Legarreta to work with Dennis and draft the RTAR for this project.

David Claridge will be the new Research Liaison ([RL4@ashrae.net](mailto:RL4@ashrae.net)) and should be included in the meeting minutes distribution.

7. Programs Subcommittee Report by Rachel Spitler  
Reference Attached Sub-Committee Report

8. Standards Subcommittee Report by Glenn Friedman

ANSI/ASHRAE/ACCA Standard 183-2007  
ANSI/ASHRAE Standard 203-2015

No actions needed on Standards at this time.

9. Handbook Subcommittee Report by Jim Pegues (Chapter 18 Non-Residential)  
Sub-Committee is working on updating data as it becomes available for the 2021 edition.  
Voting approval should be done in January or June 2020.  
Deadlines for submission is July 2020. Results from RP-1729 to be incorporated.  
Reference attached Handbook Sub-committee Report.

ASHRAE Publications requested to define what to do with some previous publications.  
Calculation Models and algorithms annotated by Jeff Spitler – Bruning recommended to have it updated. Jeff Spitler recommends posting it for free.

10. ASHRAE Website for TC4.1 by Jim Pegues  
Website is current.

11. Old Business by Suzanne LeViseur  
None

12. New Business by Suzanne LeViseur  
At TC Chairs Breakfast, letters will be sent out regarding TC mergers as mentioned above.  
Remote meetings can be setup for TC's that don't reach quorum.  
Mike Vaugh will be moving to New ASHRAE Building.  
Steve Hemerlanin will be taking over Mort's (Mike Vaughn's place).  
Sundays in the afternoon is the YEA Mixer/Party; this function can be an excellent opportunity to recruit new members.  
Traditionally TC4.1 VC is responsible to welcome new members (Dove offered to take care of it while VC).

RP-1816 Heat Gain for Medical Equipment – Glenn Friedman is of the PES. Is currently being evaluated, has not gone for approval; PES made the recommendation. The project duration is anticipated to be 18 months.

13. Adjournment  
Jeff Spittler Motioned to Adjourn the meeting.  
Jim Pegues Second the motion.  
Meeting adjourned at 3:44 PM