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**DRAFT**

**TC/TG/MTG/TRG MINUTES COVER SHEET**

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

TC/TG/MTG/TRG No. 8.8 DATE December 14, 2018

TC/TG/MTG/TRG TITLE Refrigerant System Controls and Accessories

DATE OF MEETING 1-15-2019 LOCATION Atlanta, GA

MEMBERS PRESENT	YEAR APPTD	YEAR ROLL-OFF	MEMBERS ABSENT	YEAR APPTD	YEAR ROLL-OFF	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Kirk Stifle, Chair, Handbook, VM	2018	2020	Robert Bittle Research, VM	2016	2020	Guru Ravi
Brenna Erb Vice Chair, VM	2018	2022	Duane Wolf Program, NVM	N/A	N/A	David Hoffman
Glen Steinkoenig (Secretary, NVM)	N/A	N/A	Vance Payne Webmaster, Standards VM	2017	2021	Ned Bent
Matthew Wood VM	2015	2019	Mohsen Farzad VM	2017	2021	
Nicholas Zupp VM	2018	2022	Eric Chen VM	2017	20121	
Michael Ditello VM	2015	2019				
Christian Bach, CM	N/A	N/A				
Robert Jones CM	N/A	N/A				
Matt Spaunhorst CM	N/A	N/A				

**DISTRIBUTION: All Members of TC/TG/MTG/TRG plus the following:**

TAC Section Head: Dustin Meredith TAC Chair: Kelley Cramm	<a href="mailto:SH8@ashrae.net">SH8@ashrae.net</a>
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters (Research, Standards, ALI, etc.)	Dr. Christopher Seeton - Research James Bochat – ALI/PDC
Mike Vaughn, Manager Of Research & Technical Services	<a href="mailto:MORTS@ashrae.net">MORTS@ashrae.net</a>

**Note:** These draft minutes have not been approved and are not the official, approved record until approved by the TC.

## **Minutes – TC 8.8 Refrigerant System Controls and Accessories**

1. Welcome and Introduction
  - a. Chair brought the meeting to order at 1:00 PM and welcomed all attendees. All members and guests were introduced.
  - b. TC Scope was covered. TC 8.8 is concerned with refrigerant flow controls and other refrigerant control devices, including relief devices, check valves, condenser water regulators and oil separators.
  - c. ASHRAE Code of Ethics
    - i. Commitment to the 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. See full Code of Ethics: <https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics>.
2. Attendance and Quorum
  - a. 5 of 9 Voting members present. See cover sheet for attendance.
  - b. Quorum established
3. Approval of 2018 Summer Meeting (Houston) Minutes
  - a. Change Mike Ditello VM years to 2015 through 2019
  - b. **Motion #1**: Approve Minutes as written with change in a. above
  - c. Motioned by Zupp and seconded by Ditello. Motion passed 5-0-0 (Approved-Rejected-Abstain).
4. Report from TC Chairs Meeting
  - a. Functional Group discussion tabled until New Business
  - b. Forum/Seminar proposals
    - i. Feb 8<sup>th</sup> is the deadline for submittal for 2019 Annual Mtg in Kansas City
  - c. Technical/Conference Papers deadline for 2020 Winter Meeting in Orlando is March 18
  - d. Chair will send notes to all attendees
  - e. Can use BaseCamp for sharing files and data to all TC members
    - i. Kirk will create one for the TC
    - ii. SPCs can use this also. Chair can send email to ASHRAE to request.
  - f. New cover sheet for use with all TC/TG/TRG meeting minutes. See [www.ashrae.com/TCs](http://www.ashrae.com/TCs)
  - g. Remote participation mtgs are encouraged due to room availability
    - i. TC 8.8 subcommittee mtgs will be held remotely before the Annual Mtg
    - ii. Deadline for remote meetings is April 5th
  - h. TC Meeting minutes must be posted on website or sent to committee members within 60 days of the meeting.
  - i. ASHRAE can provide all ASHRAE items to be imported into your Outlook calendar
  - j. Volunteers needed for peer review of papers needed for future ASHRAE mtgs. Contact Kirk contact info.
  - k. List of Upcoming Conferences, Seminars of interest provided to Chairs. See Chair's breakfast handout that the Chair will email to members and guests.
5. Subcommittee Reports

- a. Handbook – Kirk Stifle
  - i. Revision was released in 2018
  - ii. Next revision cycles beginning now
    - 1. Recommendation by Stifle to add ejector information
    - 2. Looking for additional members for the subcommittee
      - a. One person expressed interest but more needed.
- b. Membership – Kirk Stifle
  - i. Matt Wood rolls off in 2019
  - ii. Dr. Christian Bach and Matt Spaunhorst will join as Voting Members after 2019 Annual Meeting
- c. Programs – Duane Wolf
  - 1. Duane not present
  - 2. No programs in process
- d. Website – Vance Payne
  - i. Website is not current
- e. Research – Kirk Stifle standing in for Robert Bittle
  - i. No current Research Projects, RTAR's, Work Statements.
  - ii. Stifle raised recommendation to create an RTAR about short tubes, capillary tubing research to provide correlations in new refrigerants.
    - 1. Need correlation for Handbook
    - 2. Subcommittee Chair to get an RTAR started
    - 3. Various research institutions have capability to do this work
  - iii. Other research topics welcomed with no further discussion
- f. Standards- Vance Payne (Stifle standing in)
  - i. Standard 17, MOT of Thermostatic Expansion Valves
    - 1. Chair - Robert Jones
    - 2. First meeting complete
    - 3. Work Plan developed and approved
    - 4. Began standard review
  - ii. Standard 28, MOT for Flow Capacity of Refrigerant Capillary Tubes
    - 1. Chair – Duane Wolf
    - 2. SPC member balance issues resolved and being sent to ASHRAE so continuing work can continue
  - iii. Standard 153, MOT for Mass Flow Capacity of Four-Way Refrigerant Reversing Valves
    - 1. Chair – Michael Ditello
    - 2. First mtg at Atlanta, no quorum,
    - 3. Began review with no major issues foreseen
  - iv. Standard 158.1, MOT Capacity of Refrigerant Solenoid Valves
    - 1. Chair – Kirk Stifle
    - 2. Draft complete
    - 3. Public review complete with no known issues
    - 4. Publish by next meeting is the expectation
  - v. Standard 158.2, MOT Capacity for Refrigerant Pressure Regulators

1. Chair – Kirk Stifle
2. Proposed standard was sent out for Public Review
3. No comments returned from Public Review
4. Paperwork was submitted for going to Publication.

6. Old Business

7. New Business

- a. ASHRAE would like to reduce TC/TG/TRG from 110 to about 30 Functional Groups
- b. Feedback was requested by ASHRAE from all individuals within next 60 days (Mid-March 2019)
  - i. Chair will email the correspondence on this topic and the feedback form to all attendees and TC members
  - ii. Four questions are posed on the feedback form.
  - iii. Send comments to TC Chair who will consolidate it and send it to TAC
- c. TAC expects to have a draft proposal of new form by 2019 Annual Meeting (Kansas City) for review and implementation in Orlando (2020 Winter Meeting).
- d. TC 8.8 may not remain a separate committee.
- e. Issues brought up at other TCs was discussed.
- f. Further Discussion with Dustin Meredith TAC Section Head.

8. Open Discussion

9. Adjournment

- a. **Motion #2**: Motion to adjourn by Michael Ditello and seconded by Nicholas Zupp. Motion passed: 5-0-0
- b. Meeting adjourned at 2:10 PM