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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 6-25-19

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

DATE OF MEETING 6-25-2019 LOCATION Kansas City, MO

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	Mohsen Farzad VM	2017	2021	
Glen Steinkoenig (Secretary, NVM)	N/A	N/A	Eric Chen VM	2017	2021	Joe Arnstein
Matthew Wood VM	2015	2019				
Nicholas Zupp VM	2018	2022				
Michael Ditello VM	2015	2019				
Duane Wolf Program, NVM	N/A	N/A				
Robert Jones CM	N/A	N/A				
Vance Payne Webmaster, Standards, VM	2017	2021				
Christian Bach, CM	N/A	N/A				
Vance Payne Webmaster,	2017	2021				

**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 Secton - 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. Changed Mike Ditello VM years to 2015 through 2019, rolling off July 1, 2019
  - b. Motion #1: Approve Minutes as written with change in a. above
  - c. Motioned by Ditello and seconded by Wood. Motion passed 5-0-0 (Approved-Rejected-Abstain).
4. Report from TC Chairs Meeting
  - a. ASHRAE will send out thank you letters to your employers. Watch for email in July.
  - b. Orlando Winter Meeting 2020 followed by Austin in Summer 2020
  - c. Base Camp is recommended for use by TC/SPC/MTG/PMS committees. TC Chair has populated TC 8.8 Base camp with recent correspondence. Invitations were sent to TC 8.8 voting members and subcommittee chairs. Let Kirk know if you need an invitation.
  - d. All TC chairs now attend same meeting.
5. Subcommittee Reports
  - a. Handbook – Kirk Stifle
    - i. Revision was released in 2018
    - ii. Next revision cycles beginning now
      1. Ejector information will be added and chair is working with manufacturers to generate this info.
      2. Looking for additional members for the subcommittee
        - a. Guru Ravi expressed interest
  - b. Membership – Kirk Stifle
    - i. Matt Wood and Mike Ditello roll off in 2019
    - ii. Dr. Christian Bach will join as Voting Members after 2019 Annual Meeting
    - iii. Emergency membership change due to job changes
      1. Remove Matt Spaunhorst

- 2. Add Glen Steinkoenig
- c. Programs – Duane Wolf
  - 1. No programs in process
  - 2. Possibilities
    - a. TXV/EXV Performance in Low GWP Refrigerants
    - b. Systems Issues with Capillary Tube and Short Tube Orifices and Microchannel Evaporators
- d. Website – Vance Payne
  - i. Website is current
  - ii. <https://tc0808.ashraetcs.org/>
- e. Research – Kirk Stifle standing in for Robert Bittle
  - i. No current Research Projects, RTAR's, Work Statements.
  - ii. Other research topics discussed
    - 1. Christian Bach to write an abstract for Capillary Tube and Short Tube Orifice Performance in Low GWP Refrigerants and get TC to co-sponsor
    - 2. Nick Zupp to write abstract for Educator use within HVAC&R Systems for Oil Reclaiming to Improve System Efficiency
    - 3. Christian Bach to write an abstract for Dynamic and Static Modeling of TEV's within HVAC&R Systems with TC 8.11 potentially being a co-sponsor
- f. Standards- Vance Payne (Stifle standing in)
  - i. Standard 17, MOT of Thermostatic Expansion Valves
    - 1. Chair - Robert Jones
    - 2. Standard review ongoing
  - ii. Standard 28, MOT for Flow Capacity of Refrigerant Capillary Tubes
    - 1. Chair – Duane Wolf
    - 2. Paperwork for balance submitted.
    - 3. ASHRAE staff comments have been sent to proposed membership.
  - iii. Standard 153, MOT for Mass Flow Capacity of Four-Way Refrigerant Reversing Valves
    - 1. Chair – Michael Ditello
    - 2. Continued review
    - 3. Next steps mandatory language review and minor revision completion
    - 4. Expect webmeeting and vote to go to Public Review before 2020 Winter Meeting
  - iv. Standard 158.1, MOT Capacity of Refrigerant Solenoid Valves
    - 1. Chair – Kirk Stifle
    - 2. Published
  - v. Standard 158.2, MOT Capacity for Refrigerant Pressure Regulators
    - 1. Chair – Kirk Stifle
    - 2. Published
- 6. Liaisons:
  - a. Dustin Meredith – Section Head
    - i. Rolling off as Section Head and into TAC Vice Chair position at July 1, 2019.

- ii. Kevin Mercer becoming new Section Head at that time
- iii. Continued feedback is welcomed on the re-organization
- iv. Earliest potential change expected in Austin Summer 2020

7. Old Business

8. New Business

- a. ASHRAE Re-organization was discussed
  - i. Feedback indicated pushback by membership with this much reduction
  - ii. TC 10.3 Refrigerant Piping may be a possible committee to join TC 8.8 with but little interest on TC 10.3 or TC 8.8 membership.
  - iii. Issues with how/where TC 8.8 Purpose and Scope fit with other TCs.
  - iv. Discussed the opportunity for TC 8.8 to roll into TC 8.11
    - 1. Awaiting ASHRAE feedback
- b. TC 2.8 requested for a volunteer to sit on MTG titled "RAC Plant Assessment Guide"
  - i. Review a UNEP document for accuracy
  - ii. Duane Wolf volunteered to sit on this MTG
  - iii. Nick Zupp volunteered to be the Alternate
  - iv. Both were assigned by the Chair to these roles

9. Open Discussion

- a. Next Meeting in Orlando in February 2020

10. Adjournment

- a. Motion #2: Motion to adjourn by Wood and seconded by Zupp. Motion passed: 4-0-1
- b. Meeting adjourned at 2:03 PM