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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 1-28-2021

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

DATE OF MEETING 1-26-2021 LOCATION Virtual via Zoom

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Kirk Stifle (VM)	2018	Michael Ditello (VM)	2020	Kevin Mercer, Sec 8 TAC Liaison
Glen Steinkoenig (VM)	2019	Eric Chen (VM)	2017	
Vance Payne (VM)	2017	Mohsen Farzad (VM)	2017	
Christian Bach (VM)	2019	Duane Wolf (VM)	2020	
Nicholas Zupp (VM)	2018	Robert Bittle (CM)	2020	
Robert Jones (CM)				
Jeffrey Alsobrook (PCM)				
Everardo Cano (CM)				
Stefan Elbel (PCM)				
Neal Lawrence (PCM)				

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

TAC Section Head: Kevin Mercer	SH8@ashrae.net
Committee Liaisons: James Bochat – EDUC Dr. Christopher Seeton – Research Liaison Dr. Srinivas Katipamula – Standard Liaison Steven Hammerling – Staff Liaison	Emails per roster
Mike Vaughn, Manager Of Research & Technical Services	MORTS@ashrae.net

At 2:05 PM Eastern the meeting was brought to order by the Chair. Technical Committee (TC) 8.8 Title, Purpose, and Scope as well as ASHRAE Code of Ethics was exhaustively covered.

Voting member roll call completed for Quorum evaluation.  
5 of 9 Voting Members present, Quorum established

#### Approval of Winter 2020 Meeting Minutes (Orlando)

Motion for approving minutes as written:

- a. Mr. Steinkoenig motioned
- b. Mr. Zupp seconded
- c. Vote: 5-0-0 (Approved-Rejected-Abstained)

#### Approval of Virtual Summer 2020 Meeting Minutes

Motion for approving minutes as written and applied to the ASHRAE template

- a. Mr. Zupp motioned
- b. Mr. Bach seconded
- c. Vote: 5-0-0

#### TC 8.8 Viability as Stand-alone Technical Committee

There is an annual requirement to review whether TC 8.8 should continue as a TC. Summer meeting discussion concluded that remaining a separate TC is the best solution. Discussion of topic resulted in a motion to remain a separate viable TC by Nicholas Zupp and Vance Payne second. Vote 5-0-0

#### TC Chair breakfast discussed by Chair (see file provided)

- a. TAC reorganization – follow TAC Re-org Ad Hoc final report. 5 TC mergers ongoing. Overview provided.
- b. New MTG formed. MTG – VIC , Ventilation for Infection Controls. If interested, see ASHRAE website for joining instructions
- c. Annual Mtg June 26-30. On site meeting so far although may change with covid response.
  - a. Program focus (pull in from agenda, from website)

#### Subcommittee Reports

1. Handbook – Mr. Kirk Stifle
  - a. Complete except new addition for ejectors. Addition due February-March. Need approved by June Mtg.
  - b. Kirk Stifle graciously agreed to continue as Handbook Subcommittee Chair.
2. Membership Mr. Stifle
  - a. [www.ashrae.org/joinatc](http://www.ashrae.org/joinatc) to join TC 8.8 as a Provisional Corresponding Member
  - b. Roster Changes
    - i. Mr. Stifle, Mr. Payne, Mr. Farzad drop off voting membership after 6/30/2021
    - ii. Voting Member requests: Everardo Cano - Parker Hannifin
    - iii. Looking for New Chair and Vice Chair: Current Vice Chair Is Michael Ditello and Kirk Stifle is rolling off as Chair. Mr. Christian Bach volunteered as Chair or Vice Chair as needed.
3. Website – Mr. Vance Payne
  - a. Website is completely current.
  - b. Vance Payne volunteered to remain Webmaster.
4. Research – Christian Bach (for Mr. Bittle)
  - a. Kevin Mercer – Section 8 TAC Liaison – Few research monies available this year with funding priority for on-going research. No current funding for new research.
    - a. Continue submitting RTARs and Work Statements to retain place in the queue
  - b. RTAR in development for research on correlation factors (for Handbook) for orifice tubes and cap tubes
    - i. Minor edits and 1 paragraph in revision
    - ii. Co-sponsoring TC's being contacted – reaching out to chairs

- 1. Recommendation from Mr Kevin Mercer, TAC Section Head, Add chair comments without awaiting for formal TC votes
    - iii. Due by March 15 for next RAC review
    - iv. Low GWP emphasis meets ASHRAE's goals
- 5. Standards – Vance Payne
  - a. Standard 17 – MOT TEV
    - i. Working draft for Standard Project Committee (SPC) review out for 30 day review
      - 1. Incorporating revisions
    - ii. Next step is SPC vote
    - iii. Then release for Public Review through ASHRAE
  - b. Standard 28 MOT Flow Capacity Cap Tubes
    - i. No activity needed
  - c. Std 153 – MOT 4way valves
    - i. Out for public review now
    - ii. Target completion before Summer Mtg 2021
  - d. Std 158.1 MOT Capacity of Refrigerant Solenoid Valves
    - i. No activity needed
  - e. Std 158.2 MOT Capacity of Pressure Regulating Valves
    - i. Need committee to revise, reaffirm, or withdraw
    - ii. Check or revise references
    - iii. Robert Bittle to chair Standard Project Committee.
    - iv. Vance Payne, Nick Zupp, Jeffrey Alsobrook, Kirk Stifle, Ever Cano volunteered to be on the SPC.
      - 1. Verify Biography up to date
- 6. Program – Kirk Stifle
  - c. Seminar proposed Back to Basics of Expansion Devices
    - a. Christian Bach to Moderate
      - i. Thermostatic Expansion Valves – Ever Cano
      - ii. Electronic Expansion Valves – Kirk Stifle
      - iii. Short Tubes and Capillary Tubes – Vance Payne
      - iv. Ejectors – Stefan Elbel
    - b. Targeting – Winter Meeting 2022 (Las Vegas)
      - i. Abstracts and Seminar Request due by Feb 8 (per TC Chairs breakfast handout) for the Annual (Summer) Meeting 2021
        - ii. Not expected to meet this timing so deferred to Winter Meeting 2022
    - c. Motion to hold this Seminar during Winter meeting 2022
      - a. Mr. Zupp motion, Mr. Steinkoenig second
      - b. Vote 5-0-0
      - c. Abstracts and Seminar Request due by approximately by August 8

#### Liaison Reports

- 1. Section 8 TAC – Kevin Mercer
  - a. According to MOP – Liaison is to review each TC for viability using TAC tools.
  - b. Notes from TC Chairs breakfast provided to TC chairs
  - c. Recommending to submit RTAR without waiting for co-sponsor TC votes

#### Old Business

- a. None

#### New Business

- a. TC 8.4 will be requesting co-sponsoring of research (RTAR) for TEV/Evaporator Interaction testing

- a. Chair and Research Chair fully approve co-sponsorship
- b. Christian Bach to discuss with TC 8.4 for getting us the RTAR for approval

Motion to Adjourn

- a. Mr. Zupp motion and Mr. Bach second
- b. Vote: 5-0-0

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