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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 6-15-2021

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

DATE OF MEETING 6-15-2021 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	Chris Seeton, Sec 8 RAC Liaison
Glen Steinkoenig (VM)	2019	Eric Chen (VM)	2017	Jeff Warther
Vance Payne (VM)	2017	Mohsen Farzad (VM)	2017	John Withouse
Christian Bach (VM)	2019	Duane Wolf (VM)	2020	Nicholas Aouad
Nicholas Zupp (VM)	2018			
Robert Jones (CM)				
Robert Bittle (CM)				
Everardo Cano (CM)				

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 1.02 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 8 Voting Members present, Quorum established

Liaison Reports

Chris Seeton – RAC

1. No current funds available for new research. Current projects continue funding.
2. Las Vegas 2022 AHR Expo will provide future funds. Queue of work in place that will hopefully get cleared by the end of 2022.
3. Submit RTARs and Work statements especially those heavily weighted to fundamental research.

Approval of Winter 2021 Meeting Minutes (Virtual)

Motion for approving minutes as written:

- a. Dr. Bach motioned
- b. Mr. Zupp seconded
- c. Vote: 4-0-1 (Approved-Rejected-Abstained), Chair abstained

Next Meeting in Las Vegas Jan 29-Feb3

1. Planned in person, virtual option available going forward for remote attendance
2. 8 tracks
3. Friday June 18, 2021 Program proposals open

TC Chair breakfast discussed by Chair (see file provided)

- a. See attached for deadlines

Subcommittee Reports

1. Handbook – Mr. Kirk Stifle
 - a. Need to vote on handbook to meet deadline
 - b. Motion to accept proposed changes
 - i. Motion by Mr. Stifle
 - ii. Seconded by Dr. Bach
 - iii. Vote: 5-0-0, approved
 2. Working on a new section for Ejectors (Elbel and Lawrence)
 - a. Not yet complete although quite extensive
 - b. Will be released upon completion to the Handbook electronic version after TC vote
3. Membership Mr. Stifle
 - a. 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. New Voting Members: Mr. Everardo Cano and Dr. Robert Bittle
 - iii. New Chair will be Dr. Christian Bach and Vice Chair will remain Michael Ditello.

Name and Status	Year Appointed	Year Roll-Off
Christian Bach, Chair, VM	2019	2023
Michael Ditello, Vice Chair, VM	2020	2024
Glen Steinkoenig, Secretary, VM	2019	2023
Duane Wolf, Program, VM	2020	2024
Robert Bittle, Research, VM	2021	2025
Everardo Cano VM	2021	2025
Nicholas Zupp, VM	2018	2022
Kirk Stifle, Handbook, NV		
Vance Payne, Webmaster, Standards, NV		

4. Website – Mr. Vance Payne
 - a. Website is completely current.
 - b. Vance Payne volunteered to remain Webmaster.

5. Research – Christian Bach (for Mr. Bittle)
 - a. Awaiting a TC 8.4 RTAR for TEV/Evaporator Interaction testing
 - i. Chair and Research Chair fully approve co-sponsorship
 - b. RTAR in development for research on correlation factors (for Handbook) for orifice tubes and cap tubes
 - i. Co-sponsoring TC's being contacted – reaching out to chairs
 1. TC 8.11 voted to co-sponsor and approved
 2. TC. 8.01, 8.4, 10.6, and 10.7 still voting to co-sponsor at this Annual Meeting
 - ii. Plan to submit by Month's end with or without remaining TC co-sponsorship results

6. Standards – Vance Payne
 - a. Standard 17 – MOT TEV
 - i. Draft under revision by Standard Project Committee (SPC)
 1. Incorporating revisions received in April
 2. Review out for 30 day review
 3. Authoring portal assistance at ASHRAE – Chris Walther
 - 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 of Four-way valves
 - i. No activity needed
 - ii. DR. Bach - Potential research idea?
 1. Likely energy efficiency issues and may be more pertinent today
 2. RTAR submitted about 10 yrs ago but never approved
 3. Dr. Bittle can look at old RTAR and send to Dr. Bach
 - 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. SPC formation paperwork submitted to ASHRAE
 - ii. No response from ASHRAE
 - iii. Robert Bittle to chair Standard Project Committee.
 1. Fixing a graph seems to be the only issue
 - iv. Vance Payne, Nick Zupp, Jeffrey Ashbrook, Kirk Stifle, Ever Cano volunteered at Winter 2021 mtg to be on the SPC.

7. Program – Kirk Stifle

- a. Prior 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
 - i. Mr. Zupp motion, Mr. Steinkoenig second
 - ii. Vote 5-0-0
 - iii. Abstracts and Seminar Request due by approximately by August 8

8. Old Business

- a. None

9. New Business

- a. Chair thanks TC and guests for support during his tenure.
- b. TC thanks Chair for his excellent leadership and can-do attitude.

Motion to Adjourn

- a. Mr. Zupp motion and Dr. 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.