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 June 26, 2018  LOCATION Houston, TX

<table>
<thead>
<tr>
<th>MEMBERS PRESENT</th>
<th>YEAR APPTD</th>
<th>YEAR ROLL-OFF</th>
<th>MEMBERS ABSENT</th>
<th>YEAR APPTD</th>
<th>YEAR ROLL-OFF</th>
<th>EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kirk Stifle, Chair, Handbook, VM</td>
<td>2018</td>
<td>2020</td>
<td>Glen Steinkoenig (Secretary, NVM)</td>
<td>N/A</td>
<td>N/A</td>
<td>Christian Bach</td>
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<tr>
<td>Brenna Erb, Vice Chair, VM</td>
<td>2016</td>
<td>2022</td>
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<tr>
<td>Robert Bittle, Research, VM</td>
<td>2016</td>
<td>2020</td>
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<tr>
<td>Vance Payne, Webmaster, Standards, VM</td>
<td>2017</td>
<td>2021</td>
<td></td>
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<tr>
<td>Eric Chen, VM</td>
<td>2017</td>
<td>2021</td>
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<tr>
<td>Mohsen Farzad, VM</td>
<td>2015</td>
<td>2019</td>
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<tr>
<td>Michael Ditello, VM</td>
<td>2017</td>
<td>2021</td>
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<td>Nicholas Zupp, VM</td>
<td>2018</td>
<td>2022</td>
<td></td>
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<tr>
<td>Matthew Wood, VM</td>
<td>2015</td>
<td>2019</td>
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<tr>
<td>Duane Wolf, Program, NVM</td>
<td>N/A</td>
<td>N/A</td>
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DISTRIBUTION: All Members of TC/TG/MTG/TRG plus the following:

- TAC Section Head: Dustin Meredith  SH8@ashrae.net
- TAC Chair: Kelley Cramm
- All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters (Research, Standards, ALI, etc.)
  - Research
  - Standards
  - Handbook
  - MTG
- Mike Vaughn, Manager Of Research & Technical Services  MORTS@ashrae.net
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](https://www.ashrae.org/about-ashrae/ashrae-code-of-ethics).

2. Attendance and Quorum
   a. 8 of 9 Voting members present. See cover sheet for attendance.
   b. Quorum established

3. Approval of 2018 Winter Meeting (Chicago) Minutes
   a. Motion #1: Approve Minutes as written motioned by Vance Payne and seconded by Robert Bittle. Motion passed 8-0-0 (Approved-Rejected-Abstain).

4. Report from TC Chairs Meeting
   a. New Roster takes effect July 1
   b. ASHRAE has formed a new MTG. MTG.EBO for effective building operations was formed from TC’s 1.4, 7.3, 7.8, and GPC 1.3.
   c. ASHRAE is looking for unique and interesting historical items from it’s 125 years for the 125th Anniversary of ASHRAE.
   d. Reminder that ASHRAE does not allow the use of its letterhead on any letter and memos not pertaining directly to ASHRAE business.
   e. Program submission deadline the 2019 Winter Mtg in Atlanta is August 3rd, 2018.
   f. There is a new app to automatically take roster and add it to Microsoft Outlook contacts.

5. Subcommittee Reports
      i. Revision has been completed.
      ii. Next revision cycles begins in 1 year.
      iii. Kirk Stifle will remain Handbook Subcommittee Chair.

   b. Membership – Matt Wood
      i. Duane Wolf, Don Schuster, and Danny Halel (NQVM) roll off the voting member roster after this meeting.
      ii. Nicholas Zupp and Brenna Erb become voting members after this meeting.

   c. Programs – Duane Wolf
i. August 3rd, 2018 is the deadline for Programs submissions for the 2019 Winter Meeting in Atlanta.

ii. No current Programs

iii. Christian Bach suggested a program with subject of expansion valves for small capacity equipment
   1. Discussion ensued but the subject was tabled with no motion.

d. Website – Vance Payne
   i. Website is current.

e. Research – Robert Bittle
   i. No current Research Projects, RTAR’s, Work Statements.
   ii. Open discussion of new research topics
      1. Christian Bach suggested a research project to model thermostatic expansion valve (TEV) performance during transient system operations.
         a. Purpose: Enable TEV performance upgrades to provide more repeatable performance during system start-up.
         b. Prior work has been completed by multiple entities
         c. Discussion ensued concerning needs with new refrigerants and which refrigerants could be included in this research
         d. A suggestion to write an RTAR around the proposal was made to Christian however no motion was made to include this in the Research Plan

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6. Old Business
7. New Business
   1. May wish to consider re-creating data initially developed many years ago by Herrick Labs for solenoid and pressure regulator flow capacity.
   2. Discussion ensued but topic was tabled with no motion.

8. Open Discussion

9. Adjournment
   a. **Motion #2**: Motion to adjourn by Michael Ditello and seconded by Don Schuster. Motion passed: 8-0-0
   b. Meeting adjourned at 1:42 PM