TC/TG/TRG MINUTES COVER SHEET

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

TC/TG/TRG NO  TC08.08 DATE 6/27/2014

TC/TG/TRG TITLE  Refrigerant System Controls and Accessories

DATE OF MEETING  6/25/2013 LOCATION Denver, CO

<table>
<thead>
<tr>
<th>MEMBERS PRESENT</th>
<th>YEAR APPTD</th>
<th>MEMBERS ABSENT</th>
<th>YEAR APPTD</th>
<th>EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE</th>
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</thead>
<tbody>
<tr>
<td>Bob Jones, TC Chair</td>
<td>2012 VM</td>
<td>Frederic Colsoul, V.Chair</td>
<td>2010 VM</td>
<td>Steve Duda  TAC Section Head</td>
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<tr>
<td>Mohsen Farzad, ALI Coord</td>
<td>2008 NV</td>
<td>Robert Bittle, Prog Chair</td>
<td>2010 VM</td>
<td>Mike Ditello</td>
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<td>Scott Frey, Secretary</td>
<td>2011 NV</td>
<td>Charissa Garcia</td>
<td>2012 VM</td>
<td>Wendell Cornetet</td>
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<tr>
<td>Vance Payne, Webmaster/Stds Chair</td>
<td>2011 VM</td>
<td>Pradeep Kumar Bansal</td>
<td>2010 NQVM</td>
<td>Richie Mohan</td>
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<td>Kirk Stifle, HB Chair</td>
<td>2011 VM</td>
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<td>Matt Wood</td>
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<td>Duane Wolf, Research</td>
<td>2012 NV</td>
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<td>Gerardo Gomez</td>
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<td>Jeff Staub</td>
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<td>Dennis Livchak</td>
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<td>Brice Hilton</td>
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DISTRIBUTION

All Members of TC/TG/TRG plus the following:

TAC Section Head:  Stephen W Duda, PE
TAC Chair:  Dr Charles H Culp, III
ALI/PDC:  Mr Mohsen Farzad / Donald Brandt
Chapter Technology Transfer:  Mr Nathan P Hart, CTT
Manager Of Standards:  Mrs Stephanie C Reiniche,
Staff Liaison/Research/Tech Services:  Mr Michael R Vaughn
Research Liaison:  Dr David A Yashar
Special Pubs:  Francis Mills
Standard Liaison:  Rick Larson
Meeting was called to order by TC 8.08 Chairman, Bob Jones, PE, at 1:00 pm MDT.

I. Welcome and Introductions given by all in attendance. See attached sign-in sheet. [I don’t have the sign-in sheet]

II. The Scope of TC8.08 was presented:

TC 8.08 is concerned with refrigerant flow controls and other refrigerant devices, including relief devices, check valves, condenser water regulators, and oil separators.

III. Attendance and Quorom (6-7 Voting Members on the Roster): Quorum was not established, only 3 of 6 voting members present. Discussed that Duane Wolf and Richie Mohan will become voting members 7/1/2013.

<table>
<thead>
<tr>
<th>Attendance Y/n</th>
<th>Name and Status</th>
<th>Year Appointed</th>
<th>Year Roll-Off</th>
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<tbody>
<tr>
<td>Y</td>
<td>Bob Jones, Chair, VM</td>
<td>2012</td>
<td>2016</td>
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<td>n</td>
<td>Frederic Colsoul, Vice Chair, VM</td>
<td>2010</td>
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<td>Robert Bittle, Program, VM</td>
<td>2010</td>
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<tr>
<td>Y</td>
<td>Duane Wolf, Research, NV</td>
<td>2012</td>
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<tr>
<td>Y</td>
<td>Vance Payne, Webmaster, Standards, VM</td>
<td>2011</td>
<td>2015</td>
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<td>Y</td>
<td>Scott Frey, Secretary, NV</td>
<td>2011</td>
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<tr>
<td>Y</td>
<td>Dr Mohsen Farzad, ALI Coord, NV</td>
<td>2008</td>
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<td>n</td>
<td>Charissa Garcia, VM</td>
<td>2012</td>
<td>2016</td>
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<tr>
<td>n</td>
<td>Dr Pradeep Kumar Bansal NQVM</td>
<td>2010</td>
<td>2014</td>
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Additional attendance:
  a. Steve Duda, PE, Section 8 Head

IV. Minutes could not be approved due to no quorum being met.

V. Report from the TC Chairs meeting given by Bob Jones:
  a. Roster distribution changing to Excel file.
  b. Keep your bio’s up to date (check or update twice/year).
  c. There is a 20-30 minute PowerPoint presentation available, Intro to TCs.
  d. New group established, MTG (multidisciplinary task group).
  e. TC 8.08 needs a member to attend low GWP Refrigerants MTG.
  f. TAC Section 8 Head, Stephen Duda, stopped by to check in with the committee. Reviewed the MTG background with the group

VI. Subcommittee Reports
i. The Refrigeration Handbook Chapter 11 was submitted in February and was received by ASHRAE to include in the next release.

b. Programs – Robert Bittle (not present, but group discussed)
   i. A Forum was submitted for Denver, but was rejected because it was not submitted in time. Will try to submit for Seattle.

c. Website – Vance Payne
   i. Website is up to date. Please look at all sections to verify they are OK.

d. Research – Duane Wolf
   i. There is nothing currently under development. He had planned to use ideas from the Forum that did not occur.
   ii. Jeff Staub proposed research project to study if compressible flow can be used to test multiple valve types.
   iii. Jeff to review 4-Way Reversing Valve RTAR.

e. Standards – Vance Payne
   i. SPC 17 and SPC 153 met on Sunday. AHRI Standard 750 has not been approved and released, yet.
   iii. Vance to follow up on SPC 28, he will submit the form to accept this standard for review and update references.
   iv. SPC 153 has started revising the standard. Bob will set up interim meeting to continue review of the specification.
   v. AHRI wants to move MOPD method of test to SPC 158.1 instead of AHRI 760. Bob will be the chair of SPC 158.1. Vance to file the paperwork to start the committee.
   vi. SPC 158.2 is in good shape.
   vii. Comment was made that TC 8.08 should develop an EXV test method. AHRI agreed to have a standard on EXVs. Vance will send out a letter ballot for formation of a new EXV standard.

VII. Old or New Business
   a. E-meetings will continue, but we need to conduct them within the ASHRAE guidelines. It was suggested we could see Mike Vaughn about it.
   b. E-mails have bounced back from Freddie. Scott made contact with Freddie, and he advised his bio was up to date.

VIII. Open Discussion
   a. Steve Duda will try to get Richie put on TC 8.08 as a voting member (he was supposed to have replaced Charissa.

IX. Adjournment
We could not make a motion to adjourn (no quorum), so meeting dispersed.

Submitted by:
Scott Frey
Secretary, TC8.08