TC 9.3 Transportation Air Conditioning Committee Meeting
ASHRAE Annual Meeting
Chicago, Illinois
Palmer House Hilton, Salon 1 (3\textsuperscript{rd} Floor)
Monday, January 26th, 2015
2:15 – 6:30 pm

TC 9.3 Meeting Minutes

Total Attendees: 30.

3 Voting Members present of 9 Voting Members. There is not a quorum.
Paul Lebbin
GD Mathur
Byron Jones

Voting Members Not Present:
Chris McDaniel
Karen Bull
Fabio Masseo
Ann Louise Sumner
Bob Rebsamen
Raymond Ter-ionesyan

2:15 - Combined Opening by Aaron Kiehl. Chris McDaniel unable to attend. This is the first try of a combined TC9.3 with simultaneous subcommittee meetings.

Introductions – All
Aaron Kuehl-outgoing TC9.3 Research Chair
Andreas Bezold
Lubos Forejt
Richard Fox
Steven Sosa
Jerome Johnson
Gary Dutt
Vlad Ciobanu
Hugh Ferdows
Terry Crawford
Lowell Goudge
Craig Berger
Louis-David Cerise
Peggy Bendfeldt
Jim Bushnell
GD Mathur
Byron Jones
Approve Meeting Minutes – Voting Members – Minutes could not be approved because there was not a quorum.

Membership & Roster – Aaron Kuehl – Will not be able to continue coming- last meeting Summer Roll offs- Chris McDaniel
Need to appoint new voting Members
Need new vice-chair
Need new Research Chair

Recommended Changes to Voting Members:

Bob Rebsamen will not be able to participate and should be removed.

2:45 - Separate into Subcommittees
   Aviation – Gary Dutt
   Automotive - G.D. Mathur
   Rail - Ken Hesser

3:45 - Combined Subcommittee Discussions
Jeff Gatlin provided ASHRAE Research Report from TC Liaison- new RTAR form now out. New Work Statement template coming will include gates to check progress.
Aaron Kuehl announced this is his last meeting and the committee is looking for a new research chair.

GD Mathur-Automotive RTAR- Need long term participation. School buses are new focus.

Will leave handbook chapter “as is” for this round.
General Committee Business
  Automotive Subcommittee Report – G.D. Mathur
  Aviation Subcommittee Report – Gary Dutt
  Rail Subcommittee Report – Ken Hesser
  Journal and Communications Report – ________
  Standards Report – Paul Lebbin
  Old Business – Aaron Kuehl
  New Business – Aaron Kuehl

Aviation Subcommittee- Discussion of research inside & outside of ASHRAE,

  RP1306 Completed
  RP1262-2 requested no cost extension. Planning on closing out project by Sept.
  RP1603 On-going. Under review for possible termination.

2 potential research projects.
  1. Ground testing methods for bleed contaminants
  2. Particulate monitoring in-flight

Future meetings:
  E-31-2nd week of June

Rail Subcommittee- 11 voting members, 6 present.
  Main issues: progress of guideline document
  Addressing comments from public review.
  Possible research- typical rail car study
  Studying ways to increase air flow rate
  What is the real story on ventilation rates-need RTAR.

  Have energy to put program on.
  Handbook section is up to date

Standards Report: Had a quorum. Reviewed comments.
  Discussed continuous vs. periodic maintenance.
  TNO gave ????

Research Report- Aaron Kuehl.

  Met new section Liaison.
  Need new research subcommittee chair before summer conference.
  State of current projects.
    1262-2 requested a NCE from RAC, with new completion date estimated at July 2015
    1306 - TNO provided report out to SPC161, TC 9.3 and Technical Paper Session No.5 The 9.3 Committee needs to complete disposition of research form and send to MORTS to closeout project.
RP1603-Technology Council meeting on Wednesday for final determination if project will continue or be cancelled. 40% of funding has been used to date.

Three new proposed RTARS.
1. Ground testing of bleed air - No volunteers to develop
2. In-flight particulate measurement of bleed air – Byron may develop, pending
3. Airflow per occupant requirements for rail during normal and crush loads.

ASHRAE Research working to Streamline research process and have solicited feedback by March 1. Send comments via email to Kishor Khankari or Mike Vaughn.

Handbook – Richard Fox
Handbook is in good shape. Final editor drafts out and must be reviewed and any errata identified and reported asap. The sample handbook revision schedule indicates this should be before March 15. The handbook is sent to the printer around April 1, and mailed to members around May 15.

4:45 – RP-1306 Final Report Presentation– John Havermans provided final presentation to TC9.3 committee to close out project.

6:30 Adjourned meeting