

TC 5.3 Fan Coil Subcommittee Minutes
2015 Annual Meeting
Atlanta, Georgia
June 28, 2015

Sunday 8:00 AM–9:00 AM Pavilion 6 (2)

1. Call to order by Byron Hagan at 8:00AM
2. Introductions/attendance sheet

Name	Company	Email
Gus Faris	Nailor Industries	gfaris@nailor.com
Byron Hagan	Nailor Industries	bhagan@nailor.com
Randy Zimmerman	Titus	rzimmerman@titus-hvac.com
Lauren Zelinski	AHRI	lzelinski@ahrinet.org
Steven Purdie	Krueger	spurdie@krueger-hvac.com
Chad Huggins	Krueger	chuggins@Krueger-hvac.com
John Bade	Johnson Controls	John.E.Bade@JCI.com
Ryan Johnson	Price	ryanj@priceindustries.com
David Pich	Titus/ASC	dpich@titus-hvac.com
Jack Stegall	Energistics	jstegall@energisticslab.com
George Hamad	Titus	ghamad@titus-hvac.com
Krishnan Visnawath	Dynacraft	krishnan@dynacraftindia.com
Andrew Jenkins	Trane	Andrew.jenkins@trane.com
Kevin Cash	Trox	kcash@troxusa.com
Jim Aswegan	Titus	jaswegan@titus-hvac.com
Robert Fisher	Intertek	Robert.fisher@intertek.com
John Zhai	Univ. of Colorado	John.zhai@colorado.ed

3. Fan coil subcommittee report
 - a. Handbook
 - i. Fundamentals work on Friday & Saturday
 1. Proceeding well.
 - ii. Curtis Peters to provide feedback or Handbook member in attendance
 1. No issues with fan coils
 - b. Research
 - i. Next steps for Work Statement 1741
 - ii. Research sub-committee acceptance??
 1. Sent back with comments about more details needed for test procedures
 2. Has been rewritten once already
 3. Next review is ??? Randy will advise but probably in September

4. Need to set operating range – Gus suggested using 79 guideline, but must also cover unit ventilators and blower coils somewhat.
 5. Should we set range of water flows – maybe slave water flow to a discharge air temperature and provide ranges for design, like 10 – 16 degrees delta on water at full rating and set discharge air temperatures to vary water through a range of 51 to 57 or so. Inlet water temps vary from 42 to 46.
 - iii. PMS
 1. Deal with this when we get a project.
 - iv. Bids from potential Researchers First we need a project
 - c. Program – Solicit new ideas
 - i. Using modulating components like ECM and PIC valves
 - ii. Fundamentals on fan coils – like riser designs
 - iii. Controls moving to modulating and need for new controls
 - iv. Types of fan coils that are available
 - v. Real value of options
 - vi. Revisions to Standard 79 and inclusion of acoustics
 - vii. Study of installations both good and bad
 - d. Standards
 - i. Standard 79-2006, additional ISC review was necessary, no new comments. Final effort is Gallery proof approval for publication group at ASHRAE
4. Coordination of efforts with AHRI Systems Steering Committee
 - a. Gus provided update on where the research stands
 5. Other business
 - a. Lauren reported on the FAN Efficiency efforts going on now.
 6. New business
 7. Adjournment 9:00AM