

**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING
ENGINEERS, INC.
1791 Tullie Circle, N.E./Atlanta, GA 30329
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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 3.8 DATE June 20, 2012

TC/TG/TRG TITLE Refrigerant Containment

DATE OF MEETING January 22, 2012 LOCATION Chicago IL

MEMBERS PRESENT		MEMBERS ABSENT		EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Rob Yost	VM	Dave Godwin (late arrival)	VM	Bill Murphy
Dan Miles	VM	Eric Newberg	VM	Charles Stout
Warren Beeton	VM		INTL, VM	Dan Wright
Danny Halel	VM			Rasmus Poulsen
Mark Adams	Non VM			Sunil Nanjundaram
Robert Sperl	Non VM			Yanwei Cen
Jim Crawford	Non VM			Paul Solberg
Denis Clodic	Non VM			
Gary Zyhowski	Non VM			
Tom Schmitkons	Non VM			

DISTRIBUTION

<i>All Members of TC 3.8 plus the following:</i>	
Technical Activities Committee Chairman:	Dr. Charles Culp
Technical Activities Committee Section 3 Head:	Bill Murphy
Committee Liaisons As Shown On TC 3.8 Roster:	Mark Tome – Chapter Tech Transfer Don Bivens – Research Liaison John Nix – ALI/PDC William Fleming – Special Publications Phil Trafton – 2014 Handbook – Refrigeration Douglass Abramson – Standards Liaison
Manager of Standards Staff Liaison (Research / Technical Services)	Stephanie Reiniche Mike Vaughn

Note: These minutes have been approved by email letter ballot with Yes votes received from Chairman Yost, Mr. Miles, Mr. Halel, and Mr. Godwin.

Minutes – TC 3.8 Refrigerant Containment
Chicago Meeting – January 23, 2012

Call to Order

Rob Yost, Chair, called the meeting to order at 4:15 PM on Monday, January 23, 2012. After the distribution of agendas and introduction of members and guests, a quorum was verified.

Attendance

At the call to order 4 of the 6 voting members were present (1 voting member arrived after the call to order as noted below). Voting members present establishing quorum were:

Rob Yost	(Chair)
Dan Miles	(Secretary)
Warren Beeton	
Danny Halel	(Handbook Subcommittee Chair/ALI Coord.)

Approval of Minutes

The Montreal Meeting minutes “for approval” were distributed via email to members of the committee prior to the meeting. Mr. Beeton moved (with a second by Mr. Halel) that the minutes, as submitted, be accepted. The motion to accept the minutes with edits passed unanimously.

Committee Membership

Chairman Yost reviewed the current roster. Scheduled to roll off as Voting Members on 6/30/2012 are Chairman Yost and Mr. Halel. Scheduled to come on as Voting Members effective 7/1/2012 are Mr. Zyhowski, Mr. Adams, and Mr. Crawford. Mr. Halel is in line to succeed Mr. Yost as Chairman and Mr. Adams is to come on as Vice Chairman. Mr. Miles is in line to succeed Mr. Halel as Handbook Subcommittee Chairman and Mr. Yost is in line to succeed Mr. Miles as Secretary. Mr. Rasmus and Mr. Cen asked to be added to the committee membership as Corresponding Members. Chairman Yost accepted as an action item to follow up on these membership matters.

Chairman’s Breakfast Comments

Chairman Yost reported on the Chairman’s Breakfast. Subjects discussed included:

- The “rebranding” of ASHRAE including the change from a circular logo to a linear logo and mission towards the built environment.
- ASHRAE’s Hightower Award – Committee member Danny Halel’s nomination by TC 3.8 for the Hightower Award was disqualified because he was serving as an active TC Chair (of TC 3.3). The rules have since been re-done to allow an active TC Chair to be considered for the award so long as he is nominated by a TC other than that which he or she chairs. Chairman Yost offered to re-submit Mr. Halel as a candidate for the Hightower Award given the change in rules. Mr. Miles offered a motion for the re-submission of Mr. Halel’s candidacy (with a second by Mr. Yost). Said motion passed unanimously and Mr. Yost took on the action item of re-submitting Mr. Halel as a candidate for the award.
- ASHRAE policy was clarified that committee members can not represent TCs outside the TC without the TCs prior approval.

- The Conference & Exhibition Committee (CEC) anticipates more seminars at San Antonio and fewer papers. Submission for seminars at the Dallas January 2013 meeting are due in August 2012.
- ASHRAE is considering TC web enabled meetings for the future.
- There was discussion of upcoming conferences. For a listing of upcoming ASHRAE endorsed events see <http://www.ashrae.org/membership--conferences/conferences/ashrae-endorsed-events>

It is noted here that Mr. Godwin, a voting member of TC 3.8, arrived following comments on the Chairman's Breakfast.

Research Plan

Denis Clodic reported that Don Bivens is now the Research Liaison and that the expectation was that there would be fewer research projects in the future due to reduced money being available for research funding about two years ago. The resulting reduced submittal of RTARs and Work Statements is now viewed as an over-reaction to the funding issue, and the Research Administration Committee (RAC) is now encouraging **more** project submittals. A discussion related to the rejection of 1599-RTAR, "*Assessment of Measurement Techniques for Leak Flow Rate (LFR) of Components and Systems*" followed. Mr. Harel took as an action item to edit the RTAR based on comments received from RAC and forward it to Mr. Bivens for resubmission.

Topics for new research related to TC 3.8 were discussed, including:

- Low charge systems, advantageous because their performance is sensitive to loss and it can serve as an indicator of leakage. Also economically advantageous due to the increasing cost of refrigerants and the beneficial implications of reduced regulations.
- Indirect systems with fewer joints that can reduce the potential for refrigerant loss. Indirect systems also open the avenue for wider use of hydrocarbon refrigerants.
- Research focused on testing and modeling versus design.

Mr. Clodic offered to schedule a web meeting to craft an RTAR on low charge systems.

Comments from TAC Section 3 Head

Mr. Murphy, Technical Activities Committee Section 3 Head, was in attendance and delivered comments and encouragement. Subjects discussed included:

- Efforts are underway to get more seminars on the schedule at future meetings. The TC was encouraged to submit programs with topics of interest to all areas of the ASHRAE membership.
- Mr. Murphy heard concerns about the simultaneous scheduling of programs, society meetings, TC meetings, etc., and how this over-scheduling reduces the value of attending ASHRAE meetings and negatively impacts the quality of the overall "meeting experience".

Standards

Mr. Clodic reported that the draft submitted by SPC 173P – "*Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detectors*" was put out for comments and none were received. The committee was scheduled to meet to review the galley proofs immediately after the TC 3.8 meeting to stay on course for publication.

Mr. Beeton summarized activities of the committee working to review Standard 147-2002 – "*Reducing the Release of Halogenated Refrigerants from Refrigerating and Air-Conditioning*

Equipment and Systems". The 3rd public review resulted in 19 substantive comments. The proposed ban on single flare fittings and the requirement for filter driers were controversial. Several members of the committee volunteered to draft responses to the comments and these were to be compiled by Mr. Beeton. The plan was to make revisions and conduct a public review of only the substantive changes in the near future.

Mr. Clodic reported on the Sunday 1/22/2012 evening meeting of SPC 196 – "*Method of Testing for Measurement of Refrigerant Leak Rates*" that was well attended. The working draft was coming together and is in need of an annex on experimental uncertainty.

Chairman Yost commented on the status of AHRI 740 and reaffirmed the resistance of TC 3.8 to accepting the responsibility to develop a Method of Test (MOT) due to a lack of expertise among the membership.

Handbook

Mr. Halel, Handbook Subcommittee Chairman, reported once again that the deadline for contributions of TC 3.8 to the Refrigeration 2014 edition are due in May 2013. Mr. Halel expressed a desire to find a new subcommittee chairman since he was due to assume the role of TC Chair. No volunteer was immediately willing to step forward. Following adjournment, in a discussion involving Mr. Halel, Mr. Miles, and Chairman Yost; Mr. Miles offered to serve as the incoming Handbook Subcommittee Chairman with Chairman Yost taking on the role of incoming Secretary after his term as TC Chair expires.

Programs

Mr. Adams, Program Subcommittee Chair, offered to resubmit the seminar "*Zero Refrigerant Emissions? – What's Changing in the New SPC 147 Standard*" for consideration at the June 2012 meeting in San Antonio. This seminar had been previously been submitted to the ASHRAE program committee and was declined. The proposed seminar would include presentations on "General Overview of Changes to SPC 147" by Mr. Beeton, "Product and Field Leak Testing Overview of the New SPC 147 Requirements and Presentation of the Various Methods Pro's and Con's." by Mr. Miles, and "Overview of New Active System Monitoring Requirements and Field Examples of Operating Systems" by Mr. Robert Sperl. Mr. Adams offered to coordinate the seminar and has taken this task on as an action item.

There was discussion of future programs that focused on the benefits of containment towards reducing emissions.

Website

Mr. Miles served as a stand-in for Mr. Stout and reported that the TC 3.8 website was up and running. The home page is located at <http://tc38.ashraetcs.org>.

Old Business

None

New Business

Mr. Miles asked for comments from the committee about the effects on TC 3.8 should Standard 147 be consider for continuous maintenance. Mr. Halel made a motion (with a second by Mr. Beeton) to request that the TC recommends that upon acceptance of the revised Standard 147 that an SSPC be formed to put it on continuous maintenance. The motion passed unanimously.

Adjournment

Mr. Beeton made a motion to adjourn the meeting and a second was received from Mr. Halel. The meeting was promptly adjourned at 6:06 PM.