

**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 February 3, 2020

TC/TG/TRG TITLE Refrigerant Containment

DATE OF MEETING June 24, 2019 LOCATION Kansas City

MEMBERS PRESENT		MEMBERS ABSENT		EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Rob Yost (Chair)	VM	Greg Chilcote	VM	Mark Adams (Research)
Danny Halel (Vice Chair)	VM	Eric Albrecht	VM	Karim Amrane
Dan Miles (Secretary)	VM			John Atkinson
Ivan Rydkin (Webmaster)	VM			Kris Crosby
Glen Steinkoenig	VM			Rasheed Zakeri

DISTRIBUTION

All Members of TC 3.8 plus the following:

Technical Activities Committee Chairman:	Thomas Justice
Technical Activities Committee Section 3 Head:	Barbara Minor
Committee Liaisons As Shown On TC 3.8 Roster:	Tracey Jumper – Chapter Tech Transfer Stephen Kujak – Research Liaison Frederick Betz – 2022 Handbook – Refrigeration
Staff Liaison (Research / Technical Services)	Mike Vaughn

Note: "These draft minutes have not been approved and are not the official, approved record until approved by this committee."

Minutes – TC 3.8 Refrigerant Containment
Kansas City Meeting – June 24, 2019

Call to Order

Rob Yost, Chair, called the meeting to order at 4:15 PM on Monday, June 24, 2019. After the distribution of agendas and introduction of members and guests, a quorum was verified.

Attendance

At the call to order 5 of the 7 voting members were present. Voting members present establishing quorum were:

Rob Yost	(Chair)
Danny Halel	(Vice Chair)
Dan Miles	(Secretary)
Ivan Rydkin	(Webmaster)
Glen Steinkoenig	

Voting members not in attendance:

Eric Albrecht
Greg Chilcote

Approval of Minutes

The 2nd Draft of the Atlanta 1/14/2019 meeting minutes as submitted by Mr. Miles were distributed by email to committee members on 1/17/2019. Mr. Halel moved (with a second by Mr. Steinkoenig) that the minutes, as submitted, be accepted. The motion passed with 5 votes in favor, 0 votes against, and 0 abstaining.

Research

There was discussion in regards to the 1866-RTAR “Assess Refrigerant Detector Characteristics for Use in HVACR Equipment” and the selection of Creative Thermal Solutions as the contractor. Currently sensors are being selected for their upcoming testing. Discussion of the needs for new research brought up the subjects of recovery, reclaim, and shipping related to the emerging and expanding use of A2L refrigerants. Mr. Rydkin reported that UL and SAE have some standards in place for HFO and HFC based A2L refrigerants. No new RTAR initiatives came out of this discussion.

Standards

TC 3.8 is the cognizant TC for the following with regards to Standards:

- Standard 173-2012 – “Method of Test to Determine the Performance of Halocarbon Refrigerant Leak Detectors”. The TC reaffirmed the standard in 2015. No action was reported on regarding Standard 173 at this meeting, although this Standard will likely need revision in 2020.
- Standard 147-2013 – “Reducing the Release of Halogenated Refrigerants from Refrigeration and Air Conditioning Equipment and Systems”. Mr. Halel is outgoing Chair of the Standing Standard Project Committee (SSPC) and he commented that SSPC 147 is meeting at 8AM on 6/25/2019 and all are welcome to join in. A quorum is anticipated to be in attendance to address 7 change proposals that are before this SSPC that is responsible for the “continuous maintenance” of Standard 147.
- SPC 196 - “Method of Test for Measuring Refrigerant Leak Rates” The Standard Project Committee (SPC) met on Sunday evening 6/23/2019, and is progressing with developing this M.O.T. standard.

Handbook

Mr. Rydkin previously volunteered to take on the duties of Handbook Subcommittee Chairman. Initiating the formation of a Handbook Subcommittee for the 2022 Handbook is likely to take place at the Orlando meeting in February 2020.

Programs

There were no TC3.8 sponsored programs scheduled at the Kansas City meeting as the TC 3.8 submission was not accepted. There was discussion of future programs that focused on the benefits of containment towards reducing emissions and safety, especially in regards to the leakage of flammable refrigerants. There was discussion of re-submitting the proposed Kansas City program for the Orlando meeting with Mr. Miles presenting the experimental R-410A leak data that he has presented to SPC 196, and Mr. Halel presenting a review of Standard 147. Mr. Halel made a motion for TC3.8 to sponsor a seminar in Orlando, same as that submitted for Kansas City. The motion received a 2nd from Mr. Steinkoenig and passed with 5 votes in favor, 0 votes against, and 0 abstentions. Mr. Halel made a motion to co-sponsor with TC 3.2 an Orlando session entitled “Chemistry of New and Retrofit System with Low GWP Refrigerants” which TC 3.2 has already submitted. The motion received a 2nd from Mr. Rydkin and passed with 5 votes in favor, 0 votes against, and 0 abstentions.

Website

Mr. Rydkin reported that the TC 3.8 website was up to date. Recent meeting agendas and minutes are posted there. The home page is located at <http://tc0308.ashraetcs.org>.

Committee Membership

Chairman Yost reviewed the current roster. Mr. Amrane is scheduled to come on as a Voting Members of TC3.8. Mr. Yost is to follow up to make this change in status take effect.

Chairman’s Breakfast Comments

Chairman Yost reported on the Chairman’s Breakfast. He mentioned a number of subjects of interest to TC3.8, including the new ability that allows committee members to attend remotely when necessary to meet quorum. He commented on the status of the combining of TCs as had been previously announced. He expects that some mergers are likely to take shape at the upcoming Winter Meeting in Orlando.

Old Business

None

New Business

Mr. Yost informed the members that TC 3.8 was being asked to contribute members to the United Nations Environment Programme (UNEP) efforts to help write guidelines on refrigerant containment for developing countries. Mr. Halel was to serve as the primary resource and Mr. Adams was to serve in a secondary role.

Adjournment

Mr. Steinkoenig made a motion to adjourn the meeting and a second was received from Mr. Yost. The meeting was adjourned at 6:05 PM.