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**DRAFT**

**TC/TG/MTG/TRG MINUTES COVER SHEET**

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

TC/TG/MTG/TRG No. 9.3 DATE 2/3/2020

TC/TG/MTG/TRG TITLE Transportation Air Conditioning

DATE OF MEETING 2/3/2020 LOCATION Orlando Hilton, Lake Monroe B

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Donald LeBlanc (Chair)		Ben Thiesse		Florian Mayer
Thaddeus Rogowski (VC)		Ken Warren		Stephen Trent
Aaron McFarlane		David Bechtold		Richard Fox
Lubos Forejt		Larry Cummings		Jim Bushnell
Catherine Thibaud		Anthony Di Iorio		Andreas Bezold
Rene Beaulieu		Eugene Dianetti		Kevin Glover
		Scott Gwilliam		Khaesha Brooks
				Daniel Novak
				G.D. Mathur
				Francisco Ceiledo
				Robert Kennedy
				Dan Tenbyche
				Bobby Buchkowsky

**DISTRIBUTION: All Members of TC/TG/MTG/TRG plus the following:**

TAC Section Head: Vance Payne	SH9@ashrae.net Where x is the section number
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters (Research, Standards, ALI, etc.)  Paolo Tronville	See ASHRAE email alias list for needed addresses.  Paolo.tronville@polito.it

Mike Vaughn, Manager Of Research & Technical Services	MORTS@ashrae.net
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Note: These draft minutes have not been approved and are not official until approved by the TC.

The meeting was called to order by committee chair Don LeBlanc

Attendance meets quorum requirements with 6 of 12 voting members present in the room.

Roster Update:

Jerome Johnston is stepping down as Secretary and Stephen Trent with Boeing has agreed to come on the committee as a voting member and Secretary.

Catherine Thibault is stepping down as Voting Member, and Andreas Bezold has agreed to become a voting member.

Christopher McDaniel is stepping down as Webmaster. Joshua Kelton has been nominated as a replacement by Chris McDaniel. Chair also has a call if anyone wants to volunteer for the position.

Due to the majority of voting members rolling off in 2021, several non-voting members have agreed to become voting members to fill the gap in committee actions:

Old Business:

Clarification on 1262 RP

Final Report Received, accepted by TC. Quality of data-set concerns resolved pending response from David Space & Mike Vaughn. Publication is remaining action pending.

Andreas will fill out a closure form to close 1262 RP. Richard Fox and Stephen Trent have action to roll results from 1262 RP into Aviation Chapter Handbook. Motion (Don Leblanc), Rene seconded was taken to approve actions to place results into Aviation Chapter Handbook and Close RP 1262. Vote was 6-0-0-0-0.

Minutes from Kansas City: Minutes from Kansas City were reviewed, with thanks to Byron Jones for taking minutes during Secretary's absence.

Motion to approve the minutes was proposed by Thaddeus Rogowski, seconded by Aaron McFarlane. Motion was approved 5-0-1. Lubos Forejt abstained due to not being present at Kansas City.

New Business:

Research (Andreas Bezold reporting):

Successful PES meetings on RP1830. Executive Session to occur. Thaddeus Rogowski to act as chair.

Andreas was approached by the TC 4.1 chair on WS 1827 "Particulate Inhalation Modeling of Aircraft Cabins as Sparse Non Uniform Spaces Phase I" looking for co-sponsorship. Don to send email to RAC stating that the committee has not had a chance to review request, but would be supportive.

Mass Transit RTAR to be received by research committee.

Florian provided an update on the CognitAir Project on CO<sub>2</sub> and VOC exposure. Testing was conducted successfully. VOC and performance data is being evaluated. Project will end November 2020. The research team expects to present in the Winter Meeting 2021.

Automobiles (G.D. Mathur absent):

No Status.

Rail and Mass Transit: (Rene Beaulieu reporting):

The Subcommittee would like to form a working group to work on Guideline 23. See the Standards report for more information. Project committee under consideration by ASHRAE Staff with vote required to reestablish Guideline 23. A positive result is expected. A list of all interested will be distributed to ASHRAE committee staff.

The target is to consider presenting next winter.

An RTAR is being drafted to investigate door opening ventilation as inputs into train ventilation which will be submitted to the subcommittee for a vote, prior to committee for review.

Aviation: (Stephen Trent Reporting)

No updates as just published. Stephen & Richard to make substantial changes for next cycle.

Ship (Kevin Glover reporting):

Chapter 13 is done for this cycle. Kevin would like to see substantial changes made for next cycle.

Program (Lubos Forejt reporting):

A program on modeling of cabin air quality infection modeling was conducted. Seminar was co-sponsored by TC 9.3.

IAQ conference in September in Greece, most deadlines have passed.

Chicago next year, a tract based on TC 9.3 topics. 8 responses for potential topics. Two channels, conference paper session (Abstracts due in March), (Seminar, deadline in June)

Standards (Catherine Thibuald, Rene Beaulieu, Kevin Glover Reporting):

Standard was reissued in 2018, Guideline to be reissued in 2021. Two main topics being discussed with two task forces addressing organophosphates, and separately health guideline usage within the guideline. Next meeting in June via WebEx intended to be the week prior to ASHRAE (Austin).

The Navy was participating in the Guideline 26 committee with good discussion taking place.

The meeting was adjourned by committee chair, Don LeBlanc to transition to the Executive Session.

Executive Session (Only Voting Members RAC Liason, and PES Members remain, Don Leblanc recused due to association with one of the bidders). Thaddeus Rogowski- acting chair for executive session.

Thaddeus Moved to have PES present evaluations to committee.

Richard Fox summarized the work of the Project Evaluation Subcommittee. Both bids were reviewed thoroughly and the recommendations were made to committee. Both bidders were considered capable. Bids were evaluated under 6 categories: understanding of work statement, quality of methodology, facilities, qualifications, meeting objectives and student involvement. The performance of prior ASHRAE projects was not a consideration. The PES was unanimous in its recommendation.

A motion was established to approve the recommendations of the PES. (Thaddeus). Vote was 5-0-0.

A call is to go out to the committee asking if anyone would like to be part of the PMS for RP1830.

Motion to Adjourn (Thad), seconded (Rene), motion was unanimous 6-0-0.