

**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING  
ENGINEERS, INC.  
Hilton Americas Hotel – Houston**

**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. TC 9.3 DATE 6/25/18

TC/TG/MTG/TRG TITLE Transportation Air Conditioning

DATE OF MEETING 6/25/18 LOCATION Houston, TX

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Donald Leblanc (Chair)	2015			
Thaddeus Rogowski (Vice Chair)	2017			
Jerome Johnston (Sec)	2015			
Richard Fox	1998			
Byron Jones	1987			
Andreas Bezold	2015			
Rene Beaulieu	2017			
Kevin Glover	2015			
G.D. Mathur	2003			
		Aaron McFarlane	2016	
		David Bechtold	2004	
James Bushnell	1988			
		Larry Cummings	1992	
		Anthony Di Ioria	2017	
		Eugene Dianetti	1992	
		Scott Gwilliam	2009	
		Ken Hesser	2007	
		Catherine Thibaud	2017	
Ben Thiesse	2015			
Ken Warren	2017			

## DISTRIBUTION

<i>All Members of TC/TG/MTG/TRG plus the following:</i>	
TAC Section Head: Krishnan Gowri	<a href="mailto:SHx@ashrae.net">SHx@ashrae.net</a> Where x is the section number
All Committee Liaisons As Shown On TC/TG/MTG/TRG Rosters: (Research, Standards, ALI, etc.)	See ASHRAE email alias list for needed addresses.
Manager Of Research & Technical Services: Mike Vaughn	<a href="mailto:MORTS@ashrae.net">MORTS@ashrae.net</a>

## Meeting Attendance

Includes everyone that attended TC 9.3 and any of the subcommittee meetings. The GPC 23 committee meeting is incorporated into the TC 9.3 Rail Subcommittee meeting. Membership designation shown below relates only to TC 9.3 and does not reflect GPC 23 membership.

Donald Leblanc	NRC	<a href="mailto:don.leblanc@nrc-cnrc.gc.ca">don.leblanc@nrc-cnrc.gc.ca</a>	voting
Thad Rogowski	Mitsubishi Electric	<a href="mailto:Thaddeus.rogowski@meppi.com">Thaddeus.rogowski@meppi.com</a>	voting
Jerome Johnston	Boeing	<a href="mailto:jerome.i.johnston@boeing.com">jerome.i.johnston@boeing.com</a>	voting
Richard Fox	Honeywell	<a href="mailto:rfox1956@gmail.com">rfox1956@gmail.com</a>	voting
Byron Jones	Kansas State Univ.	<a href="mailto:jones@ksu.edu">jones@ksu.edu</a>	voting
Andreas Bezold	Airbus	<a href="mailto:Andreas.bezold@airbus.com">Andreas.bezold@airbus.com</a>	voting
Rene Beaulieu	Bombardier	<a href="mailto:rene.beaulieu@rail.bombardier.com">rene.beaulieu@rail.bombardier.com</a>	voting
Kevin Glover	Carrier	<a href="mailto:kevin.glover@carrier.ute.com">kevin.glover@carrier.ute.com</a>	voting
G.D. Mathur	Nissan/Calsonic	<a href="mailto:gd_mathur@ck-mail.com">gd_mathur@ck-mail.com</a>	voting
James Bushnell	HVAC Consulting	<a href="mailto:jbushnell@roadrunner.com">jbushnell@roadrunner.com</a>	voting
Ben Thiesse	American Airlines	<a href="mailto:Benjamin.thiesse@aa.com">Benjamin.thiesse@aa.com</a>	voting
Ken Warren	Port of Seattle	<a href="mailto:warren.k@portseattle.org">warren.k@portseattle.org</a>	voting
Stephen Trent	Boeing	<a href="mailto:stephen.m.trent@boeing.com">stephen.m.trent@boeing.com</a>	non-voting
Terry Crawford	Siemens	<a href="mailto:terry.crawford@siemens.com">terry.crawford@siemens.com</a>	non-voting
John Elson	Ford Motor	<a href="mailto:johncelo@gmail.com">johncelo@gmail.com</a>	non-voting
Casey Briscoe	Ingersoll Rand	<a href="mailto:casey.briscoe@irco.com">casey.briscoe@irco.com</a>	non-voting
Aaron Saldanha	Howden	<a href="mailto:aaronjsaldanha@gmail.com">aaronjsaldanha@gmail.com</a>	non-voting
Peter Shaw-Wood	Alscott Air Sys	<a href="mailto:pshaw-wood@alscott.eu">pshaw-wood@alscott.eu</a>	non-voting
Terrence Farrell	Intertek	<a href="mailto:Terrence.farrell@intertek.com">Terrence.farrell@intertek.com</a>	guest
Xinlei Wang	Univ. Illinois	<a href="mailto:xwang2@illinois.edu">xwang2@illinois.edu</a>	guest
Florian Mayer	Fraunhofer	<a href="mailto:florian.mayer@ibp.fraunhofer.de">florian.mayer@ibp.fraunhofer.de</a>	guest
Pawel Wargocki		<a href="mailto:paw@byg.dtu.dk">paw@byg.dtu.dk</a>	guest
David Space	Boeing	<a href="mailto:david.r.space@boeing.com">david.r.space@boeing.com</a>	guest
Ryan James			guest
Robert Cordo	Battelle		guest

## **Call to Order & Establishment of Quorum**

Meeting was called to order by Chair Richard Fox at 3:00 p.m., June 25<sup>th</sup> 2018. Quorum was established with **12 of 20 voting** members in attendance.

## **Membership/ Roster**

Donald Leblanc is now TC 9.3 Chair. Thad Rogowski is now TC 9.3 Vice-Chair. Briefly reviewed roster updates.

## **Old Business**

Approval of Chicago 2018 meeting minutes discussed. 12 of 12 voting members approve Chicago 2018 minutes.

Research project 1262-2 is completed and the report has been submitted to TC 9.3 for approval. The oversight committee has reviewed report and recommends approval to TC 9.3 approval. Committee discussed the need for Battelle to provide all of the data files to ASHRAE. Vote called to approve ASHRAE research project 1262-2. **12 of 12 voting members approved research project 1262-2 contingent on Battelle providing data from study to ASHRAE.**

## **New Business**

None.

## **Research Committee Report**

Report from Lubos Forejt on research project 1262-2: Battelle will disseminate their final report by submitting a conference paper to fulfill their contractual obligation.

## **Handbook Sub-Committee**

Discussed status of all four handbook chapters.

## **Automobile Subcommittee Report and Issues requiring Committee Action**

TBD

## **Mass Transit/Rail Sub Committee Report and Issues requiring Committee Action**

TBD

## **Aviation Subcommittee Report and issues requiring Committee Action**

None. No meeting.

## **Ship subcommittee Report and issues requiring Committee Action**

None. No meeting.

## **Standard/ Program Report**



ASHRAE TC 9.3  
sumcom and progra



2018-06 TC  
Breakfast Handout\_

## **Other New Business**

None.

## **Adjournment**

Motion to adjourn. Motion seconded. 12 of 12 voting members approve. Meeting adjourned at 3:45pm.