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TC/TG/MTG/TRG DRAFT 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 7.7 Main DATE January 20, 2021

TC/TG/MTG/TRG TITLE TESTING AND BALANCING

DATE OF MEETING Jan 20, 2021 LOCATION: ZOOM

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Tom Schlachter	2019	Michael Langdon	2019	Jason Hauska
Robert Moss	2019			Tom Cappellin
Darryl DeAngelis	2019			Gaylon Richardson
				Shilei Ma
Mark Hegberg	2019			Vinod Venugopal
Frank Spevak	2019			Justin Garner
Scott Sligowski	2020			Larry Smith
Gus Faris	2020			Israel Tonelli
Gerald Kettler	2019			Sopj Davenberry
				Scott Hammond
				Yusef Bhetasiwala
				Satheesh Kulankara
				Scott Fielder
				James Johnson
				Byron Hagan
				Satheesh Kulankara (Sect)
				Craig Wray (215)
				Larry Smith TAC vice chair

DISTRIBUTION: All Members of TC/TG/MTG/TRG plus the following:		
TAC Section Head	Satheesh Kulankara	
TAC Chair	Thomas Justice	justfilter@yahoo.com
ALI / PDC Liaison	James W Bochat	jim.bochat@cxconcepts.com
Chapter Tech Transfer Chair	David Ballard	daballard21@gmail.com
2019 HVAC Applications	Bryan Becker	beckerb@umkc.edu
Research Liaison	Bill Murphy	
Standard Liaison	Rick Heiden	rheiden@trane.com
Manager of Standards	Stephanie Reiniche	sreinichie@ashrae.org
Staff Liaison	Mike Vaughn	MORTS@ashrae.net

Note: These draft minutes have not been approved and not the official, approved record until approved by the TC.

**DRAFT MINUTES
TC 7.7 TESTING AND BALANCING
Standards Subcommittee
Winter Meetings
Wednesday – January 20, 2020 (1:00 – 3:00 pm)**

1. CALL TO ORDER

Chairman Schlachter asked all guests to provide contact information on the sign-in sheet that was being passed around.

- Attendance: 26 including VM, CM, PM, and Guests
- Chairman reviewed the ASHRAE Code of Ethics
- Vice-Chairman Moss indicated (8) of (9) voting members present

2. INTRODUCTIONS

Chairman Schlachter asked those attending to introduce themselves and identify the organization or company they represent

3. APPROVE MINUTES FROM LAST MEETING

Minutes from the meeting were e-mailed out prior to this meeting. Minutes accepted 8-0 to be posted on TC webpage <http://tc0707.ashraetcs.org/>

4. RECOGNIZE LIAISONS

Satheesh Kulankara, Section Head

- TC Activity Form due by end of the week, ASHRAE looking to have more member engagement and cross committee involvement.
- New Form, Functional Group Review, are we fulfilling our requirements and mission of TC.
- Roster updates due by Feb 7th, new positions take affect July 1st
- High Tower award – excellent in technical activity Due Sept 1st.
- There is a new procedure to follow if interim meeting is desired and to allow public to participate.

5. STANDARD 215-2018 PRESENTATION

1. Larry Smith & Craig Wray from TC 5.2 gave a brief power point presentation on STD 215 "Method of Test to Determine Leakage of Operating HVAC Air Distribution Systems".
 - It is a method of test / repeatable / considering uncertainty
 - Applicable to both new and existing buildings
 - It is not a replacement for duct pressurization leakage tests
 - STD 215 tests to be performed by TAB companies
2. Discussion
 - Chairman Schlachter indicated Mr. Smith's & Gray are requesting TC 7.7 support in soliciting STD 189.1 to include STD 215 as part of their minimum requirements
 - ASHRAE has not yet approved free distribution of STD 215 to TC 7.7 members
 - There was a lively discussion regarding the merits of STD 215 and multiple ways in determining airflows
 - i. L Smith indicated STD 215 does not recommend leakage pass/fail limits, this is left to the design engineer for each project.
 - ii. G Richardson noted STD 215 does not address flow hood correction factors
 - iii. J Garner was concerned about 189.1 being accepted by various codes and there being a gray area as to what is pass/fail
 - iv. There was proposal for a joint research project for onsite evaluation of TAB procedures and 215 MOT.
 - v. The chair was to look into obtaining a copy of 215 for voting member further review

6. DISCUSS ISSUES FROM TC BREAKFAST

Chairman Schlachter:

- S. Kulankara (Section Head) covered it in liaison report

7. SUBCOMITTE REPORTS

A. Handbook - Mark Hegberg

- Handbook is well underway and in need of contributors, especially Air Side – please contact Mark. The goal is to minimize want to minimize direct authors. It is due in 18 months, so we have adequate time. We are looking for updated graphics and equipment currently used in the industry. (for more information, see handbook/program subcommittee minutes) Reoccurring meetings are planned.

B. Program – Jason Hauska

- Process starting to bring TC 7.7 on basecamp
- Announced topics being presented at 2021 Winter conference

C. Membership – Robert Moss

- 64 active members, 9-VM, 7-CM & 14-YEA
- Chairman Schlachter noted that after the summer meeting
 - M. Hegberg and himself will be rolling off as VM's
 - Replacing with J. Hauska (incoming Secretary) and S. Fielder
 - existing officers DeAngelis and Moss moving up. S. Ma to replace F. Spevak who has led our research for many years. Looking for new programs and research sub-chairs. G. Richardson also rolling off as Standard 111 chair.

D. Research –

- No report

E. Journal –

- No report

F. Standards - Gaylon Richardson

- Standard 111 – There are a couple of challenges: The Standard went out for public review without an appendix. We will release for another review. The goal is to resolve current commenters first.

G. Education –

- No report

H. Web Master – Jason Hauska

- We are up to date on website

8. LIASON REPORTS FROM OTHER TC'S OR ORGANIZATIONS

TC 1.2 Instruments & Measurements – Jason Hauska

- No report

TC 1.4 Control Theory & Application – Mark Hegberg

- No report

TC 5.2 Duct Design – Guy Faris

- Covered in Standard 215 discussion

TC 5.3 Room Air Distribution - Byron Hagan

- No report

TC 5.6 Control of Fire & Smoke – Larry Felker

- No report

TC 6.1 Hydronic & Steam Heating Equipment & Systems –

- No report

TC 7.9 Building Commissioning - Justin Garner

- No report

TC 9.10 Laboratory Systems – Gaylon Richardson

- No report

AABC – Gaylon Richardson

- No report

NEBB – No liaison

NBC – Scott Fielder

- No Report

SMACNA – No liaison

ACCA – No liaison

TABB – No liaison

9. OLD BUISNESS

- None

10. NEW BUISNESS

- “Functional Group Work Book”
 - Chairman Schlachter reviewed this form with the committee, and indicated the committee needed to vote on continuing, disbanding, merging or altering our scope.
 - Mr. Moss made a motion to continue, seconded by Mr. Hegberg, the motion passed 8-0-0
- Standard 215
 - See STD 215 presentation above
 - Chairman Schlachter inquired if there was an interest to support TC 5.2 in there endeavors to promote STD 215
 - Consensus among the committee was there are to many concerns and more information was required
 - Mr. Garner made a motion to table this vote until a later date, seconded by Mr. Farris, the motion to table passed 8-0-0

11. ADJOURN

- Motion to adjourn was made by Chairman Schlachter @ 2:30p, seconded by consensus

NEXT MEETING:

Phoenix, AZ Monday, June 28, 2021 2:15 – 4:15 pm