

ASHRAE
1791 Tullie Circle, N.E./Atlanta, GA 30329
404-636-8400

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:	TC 7.9
TC/TG/TRG/TITLE:	Building Commissioning
DATE OF MEETING:	January 13, 2019
LOCATION:	Atlanta, Ga

MEMBERS

PRESENT	MEMBER NAME	TERM	PRESENT	MEMBER NAME	TERM
<input checked="" type="checkbox"/>	Justin Seter – Chair	2016 - 2020	<input checked="" type="checkbox"/>	Bradley Brooks	2017 - 2021
<input type="checkbox"/>	Will Mak – Vice Chair		<input checked="" type="checkbox"/>	Wade Conlan	2017 - 2021
<input checked="" type="checkbox"/>	Mina Agarabi– Secretary (YEA)	2018 – 2022	<input checked="" type="checkbox"/>	Gerald Kettler	2015 - 2019
<input checked="" type="checkbox"/>	Thomas Cappellin - Membership	2015 – 2019	<input checked="" type="checkbox"/>	Justin Garner	2018 - 2022
<input checked="" type="checkbox"/>	Dave Shipley- Research / Web	2018 - 2022	<input checked="" type="checkbox"/>	Jim Vallort - Programs	2018 - 2022
<input checked="" type="checkbox"/>	Ole Teisen	2016 - 2020	<input checked="" type="checkbox"/>	Roger Lautz	2018 - 2022

NON-VOTING MEMBER SUBCOMMITTEE CHAIRS

PRESENT	NAME
<input type="checkbox"/>	Thursten Simonsen – Journal & Insights
<input checked="" type="checkbox"/>	Walter Grondzik – Honors & Awards / Standards
<input type="checkbox"/>	

EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE

NAME	GRADE	MEMBER NAME	GRADE
Alonzo Blalock	CM	Kristopher Brockles	PCM
Andres Sepulveda	PCM	Lawrence Ollice	CM
David Shipley	CM	Michael Amstadt	CM
David Cantrill, Jr	CM	Rogeh Alnajjar	PCM
Harry Enck	CM	Luca A. Piterà	PCM
Shawn Walton	PCM	Timothy Corbett	CM
James Magee	PCM	William J. Stewart	PCM
Bruce Pitts	CM	Gary Johnson	PCM
James Mascaro	CM	Tom Schlachter	CM
Bart Stewart		Beth Tomlinson	PCM
Laura Howe	PCM	Korey Hyde	PCM
Bill Stump	PCM	Lee Riback	CM

CM = Corresponding Member, PCM = Provisional Corresponding Member

GUESTS

NAME	NAME
Steven Klekas	Tracey Jumper
Mohamed Elsayed	Tom Poeling
Tiffany Suite	Yasunori Akashi
Tracey Whaley	Rod Rabold
Patrick O'Connor	Jeffrey Schools
Don Hill	David Quirk
Jim Whorton	Dan Dyer
Eric Heber	Reinhard Seidl
Kit Brockles	Jay Santos
Fiona Alsous	John Rippel

DISTRIBUTION

<i>All Members of TC/TG/TRG plus the following:</i>	
TAC Section Head:	Craig Messmer
TAC Chair:	Thomas Justice
All Committee Liaisons As Shown On TC/TG/TRG Rosters:	
Manager of Standards	Rick Heiden
Manager of Research & Technical Services	Michael R. Vaughn

1. Call To Order / Scope / Introduction

- Justin Seter (Chair) called the meeting to order at 3:01 PM. All who were present provided self-introductions, including their name and affiliation.

2. Voting Member Roll Call

- There were 11 voting members present out of a total of 12 voting members. A quorum of voting members was present for the meeting.

3. Approval of Houston Minutes

- The draft minutes from Houston were reviewed. Motion was made and seconded to approve minutes as amended.
 - Wade moved to approve, Jim seconded.
- Motion passed: 11 – 0 – 0 (Yea – Nay – Abstain)

4. ASHRAE Administrative Matters / Issues from TC Chairs Breakfast

TC Chair's Breakfast Notes:

1. CEC update- high acceptance. 84- submissions and 71- Accepted for seminars. The papers and others had a high acceptance.
 - a. Kansas City Cx Track- Feb 8th deadline
2. Kansas City- extended abstract, that is research based, submission can lead to publication
3. MTG- Health and Wellness in the built environment Tues 12-2pm Walnut
4. TC 2.10 Resilience and Security has been formed
5. 30 days (requested 60 days but not yet approved) to submit feedback individual or as a committee - the issue identified is that the TCs are working in silos, isolated, need global perspective. Proposal is to reform 110 TC and 180 Subcommittee groups down to a more manageable number.
6. Trying to avoid conflicts between TCs and sessions. Dave stated 7.4 and 7.5 recently merged and to ask those members how the transition went. Wade looked at 15 different cities and a lot of hotels didn't have the # of meeting rooms that was needed. It was noted that the virtual conference will allow you to get your PDHs online. CEC planning to make a few changes for Kansas City and see what happens.
6. Online roster tool is live. Easier to manage on the webpage. Individuals need to login and add themselves to the roster on the TC 7.9 website.
7. Please login into your bio and update your email address.

5. Correspondence / Announcements

1. JR Anderson Scholarship -Walter G on behalf of Sarah Maston
 - a. Memorialize his work- established a foundation, $\frac{3}{4}$ of the way to the threshold to be able to release the \$\$ to a student. Walter will match up to \$1,000, Paul Sangas will match up to \$3,500.
 - b. Handout will go around and if anyone is interested to donate please sign up. The flyer will be included in the minutes, basecamp. Dave Shipley offered to put it on the TC website.
2. AEDG Net Zero Emissions Guide- public comment submitted from committee members
3. RAC- William introduced himself as the conduit to submitting RTARs

4. Society Liaisons

None

5. Sub-Committee Reports

- Membership..... Tom Cappellin
 - 218 people on the roster
 - 11 voting members
 - 2 non-voting subcommittee chairs
 - 46 provisional corresponding members
 - 158 Corresponding members
 - 26 YEA
 - Justin has to set the Roster this week; Announced need for a secretary for 7.9 – volunteers?

- Program Jim Vallort
 - Jim spoke about building a roster for the subcommittees and try to meet on the phone and plan ahead rather than wait until the conference. Subcommittee would make decisions before the conference.
 - Programs- submission due Feb, members can submit an abstract and Jim can package it into a seminar.
 - We encourage our members if asked to speak under other TCs please consider having TC 7.9 co-sponsor

- Research..... David Shipley
 - Dave provided an overview of the goal of his subcommittee and its importance, and the progression from research to programs to handbook to standards.
 - No active research projects, nothing out to bid but a few percolating ideas.
 - RTARS can be sponsored by more than one TC and external source of funding helps
 - At end of a meeting touch on what goes into development of an RTAR.

- Handbook (Applications - Chapter 43)..... John Gibbemeyer
 - John out on Emergency - No status update.

- Standards Walter Grondzik
 - Walter called for ideas. Minutes have information on status of Standards
 - Special Pubs and other documents outside the purview

- Web Site David Shipley
 - Website: <http://tc0709.ashraetcs.org/>
 - Lots of great content that goes back almost 20 years
 - Forward all content that should be on website to Website Subcommittee Chair i.e. Meeting Minutes, Programs

- Journal and Insights Bradley Brooks

- Asking membership for their participation in peer review of Cx related journal articles
- Asking for ideas and submissions for new Cx articles
- Honors & Awards Walter Grondzik
 - Requesting anyone that wants to be awarded by ASHRAE, please send requests to Honors & Awards chair

6. Cognizant Committee Liaison Reports

- SSPC 300 The Commissioning Process Gerry Kettler
 - Jay is the chair, Cx GDL and STD aligned, same definitions
 - New STD 202.2- existing bldg.
 - NEW GDL 1.6 – Data centers
 - GDL 0 and 202 under continuous maintenance online
 - Looking for liasons
 - 189 now recognizes 202
 - 90.1 in progress to recognize 202
 - New publication- joint ASHRAE, BCA effort – stakeholder guide on Cx, 50 checklists that correspond to how 202 operates. – city officials, building managers are the target audience
 - NIBS certification design- Building enclosure Cx process
 - ANSI process with BCA, NEBB, ASHRAE DOE certification for Cx
 - ICC international green construction code 2012 and 2015 have Cx, 2018 just published refers to ASHRAE 189
- ALI Commissioning Courses.....Walter Grondzik
 - There are 2 commissioning courses available at the conference; Guideline 0 and Standard 202 courses are still cognizant by TC 7.9.
 - Proposing to merge the two courses.
 - Rick Casault- recognized for his work as instructor for full day Cx course
- GPC 1.2 “Commissioning of Existing HVAC&R Systems”Tom
 - Existing Cx has been proofed and proceed with publication- Per Bill Dean
- GPC 1.3 “O&M Training for HVAC&R Commissioning” Walter Grondzik
 - Remove going forward
 - GDL 1.3 should be added to continuous maintenance
- Dictionary of Terms..... Walter Grondzik
 - Ad hoc special publication, ICAR, SIBS and ASHRAE- terms in the bldg. cx process.
 - Available in the bookstore.
- GPC 1.4
 - Has been updated. Gone out for public review, addressed comments and now back in ASHRAE hands. Waiting until 202 and 0 are updated before releasing 1.4
 - Standards take priority then main guidelines 0 and 0.2
 - 1.x are supporting documents and will be more specific to the systems
 - Reduce repetition

- GPC 1.6..... Wade Conlan
 - New and existing data centers
 - Establishing working groups to build materials over the coming months
 - First building specific guideline
 - Wade to be the new chair

7. Other Committee Liaison Reports

- SSPC-62 “Ventilation for Acceptable IAQ” TBD
 - No report
- SPC-90.1 “Energy Efficient Design of New Buildings” Need Liaison
 - Incorporating Cx process into new edition. Testing, verification and commissioning
- SPC-90.4 – Need Liaison
- SPC-111 “Testing and Balancing for New Buildings” Justin Garner
 - Meeting on Tuesday
- GPC-11 Control Components Testing Tom
 - Published
- TC 7.1 “Integrated Building Design” David Allen
 - David Allen not present
- TC 7.3 “Operation and Maintenance Management”Mina
 - **SPC 221P - Proposed Standard** Authorized June 29, 2016 (St. Louis). Revised TPS approved by StdC January 20, 2018.
Test Method to Field-Measure and Score the Cooling and Heating Performance of an Installed Unitary HVAC System
 - **Purpose:** The purpose of this standard is to prescribe a field evaluation and test method to measure and score the performance, in terms of delivered cooling or heating capacity, or cooling efficiency, of an installed unitary HVAC system.
- TC 7.7 Testing and Balancing Justin Garner
 - Meeting is tomorrow afternoon
- TC 7.8 “Owning and Operating Costs” Open
 - No Update
- TC 9.6 “Healthcare” Roger Lautz
 - No report
- TC 1.6 TerminologyRoger Lautz
 - All the ASHRAE definitions have been added to a database on website and have a working file. They will extract definitions from std and gdl to keep it updated www.ashrae.org/ashraeterms
- GPC41P- need a volunteer to attend

- MTG – open slot, no known related MTGH
- AEDG “Advanced Energy Design Guidelines” Jay Enck
 - K-12 needs is dead
 - proposed to have a guide for small offices committees
 - Needs support to keep it going

8. Other Association Reports

- BCA Tom Poeling
 - Tom is new BCA president
 - Upcoming conference in Chicago sept 2019
 - 10 regional chapters, regional conferences – Penn State, MIT and Vancouver most recent
 - California cx collaboration- working on helping it restart- fixing website and documents
 - In class training sessions especially building enclosure
 - Ted talks and online curriculum- on demand training program
 - Scholarship program
 - Contributed to JR Anderson fund.
- NEBB:..... Stephen Wiggins
 - Jim Wharton standing in for Wiggins
 - Two ANSI certifications- whole building cx and retrocx of existing
 - Acceptance technician test provider
- ACG Jim Magee
 - Restructuring , program in April for cx , energy management and TAB
- AABC Justin Garner
 - Recently had a meeting and restructuring
- USGBC H. Jay Enck
 - No update
- ASTM H. Jay Enck
 - No update
- Green Globes
 - a lot of paperwork involved in certification delaying projects
- ICB / TABB..... Gary Andis
 - Not present
- Living Building Challenge David Cantrill
 - ASHRAE tour Georgia tech – Living building challenge project.

9. Old Business

None

10. New Business

- Roger L. looking for articles on commissioning of PICV - possible program for Kansas city. Justin TC 7.7 is interested in the topic. Will connect with David for RTAR.
- Lighting Control Testing of Daylighting seminar needs representation from this TC.
- Life cycle cost data for Cx

11. Next Meeting

- Sunday, June 23rd @ 3:00 PM CST in Kansas City

12. Adjournment

- Meeting adjourned at 5:00 P.M. EST

13. Action Items

- No Items.

14. Motions

- Motion for meeting minutes for Houston approval - PASSED

END OF MINUTES

Attachments

Notes from TC Chair's breakfast meeting