

# TC 7.9 Meeting Minutes

Sunday, June 28<sup>th</sup>, 2015

Atlanta, GA

**AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIR-CONDITIONING ENGINEERS,  
INC.  
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**                          DATE     **June 29<sup>th</sup>, 2015**    

TC/TG/TRG TITLE     **Building Commissioning**    

DATE OF MEETING     **June 28<sup>th</sup>, 2015**                          LOCATION     **Atlanta, GA**    

MEMBERS PRESENT	YEAR APPTD	MEMBERS ABSENT	YEAR APPTD	EX-OFFICIO MEMBERS AND ADDITIONAL ATTENDANCE
Thomas Cappellin      Chair	2012 - 16	Lixia Wu	2014 - 18	Adrienne Thomle – Section Head
Sarah Maston          Vice Chair	2014 - 18	James Vallort	2013 -17	William Mak – CM <b>(YEA)</b>
Justin Seter <b>(YEA)</b> Secretary	2014 - 17	John Castelveccchi	2014 - 18	Mina Agarabi – CM <b>(YEA)</b>
Justin Garner <b>(YEA)</b>	2013 - 17	David Bornside	2012 - 16	David Cantrill – CM <b>(YEA)</b>
Michael Amstadt	2013 - 17			Lee Huffines – Guest <b>(YEA)</b>
Lee Riback	2013 - 17			Luis Escobar – CM <b>(YEA)</b>
Stephen Wiggins	2013 - 17			Gerald Kettler – CM
John Gibbemeyer	2014 - 18			Roger Lautz - CM
JR Anderson	2014 - 18			Benjamin Skelton – CM
				Walter Grondzik - CM
				Michael Amstadt – CM
				Joy Altwies - CM
				Svein Morner - CM
Non-Voting Members Who Are Subcommittee Chairs				Kit Brockles – CM
David Shipley – Research / Web		Present		William McCartney – CM
Thursten Simonsen – Journal		Present		AB Blalock - CM
Breesa Rose Collyer – Hon & Awrd		Absent		Reinhard Seidl - CM
				Jean-Francois Pelletier - CM
				David Edenburn - CM
				Gary Andis – CM
				George Austin – CM
				H. Jay Enck – CM



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### Call To Order / Scope / Introduction

Tom Cappellin (Chair) called the meeting to order at 2:50 PM. All who were present provided self-introductions, including their name and affiliation.

### Approval of the Agenda

The Agenda for the meeting was presented, moved and seconded, passed unanimous 9 – 0 – 0 (Yea – Nay – Abstain). There were no requests for revision of the agenda.

### Voting Member Roll Call

There were 9 members present out of a total of 13. A quorum of voting members was present for the meeting.

### Approval of Seattle Minutes

The draft minutes from Chicago were reviewed, one minor revision noted. Motion was made and seconded to approve minutes as amended. Motion passed: 9 – 0 – 0 (Yea – Nay – Abstain). Chair not voting.

### Society Liaison and Guest Presentation

Sarah Maston (CEC):

Orlando

### ASHRAE Administrative Matters / Issues for TC Chairs Breakfast

Issued to the committee under separate cover, note highlighted sections that are relevant for TC 7.9.

### Correspondence / Announcements

TC Chair breakfast notes

thank you notes, hightower award process, due in September this year, also a research award

Seminar and forums for Orlando are due on August 10<sup>th</sup>,

Employment discipline has been added to your bio

Upcoming conferences – Orlando, January, St.Louis, June

Process for adding PCMs has been automated so members can click it through on the website – TC 7.9 is one of the largest

RAC is asking for ideas on how to streamline and make it easier to use

Encouraged to submit a nominee for the Hightower award, there are many in the room in TC 7.9 who make good contributions

Sarah Maston CEC Update - ASHRAE Programs – Tracks on are on the websites [ashrae.org/orlando](http://ashrae.org/orlando) and [ashrae.org/stlouis](http://ashrae.org/stlouis)

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They have added a policy for invited speakers to have their fee waived, five invited speakers per year to allow for outside people to come speak without having to pay to do so

You don't have to be a TC member to put together a program for submission, although it is generally smoother to do so. Must be a complete submission in order to make the first cut, that is how they determine which ones get slotted in.

Forums are still viable, collaboration and co-sponsorship can increase the likelihood due to the forethought and planning. Also, 60 minute program slots are very viable.

How to keep doing the forum ahead of the meeting – you still have to submit it, if it gets rejected, then you can re-submit for TC meeting inclusion. However, the time slot has been increasing for TC 7.9, which has a limit!

Doing the forum as a webinar may also help timing wise, need to discuss.

Correspondence:

A poll on the ICC 1000 standard, got a lot of good comments back, and when issued for public review, the comments were submitted.

TC 5.2 – changing their title and scope to Duct systems and make the scope more broad and include commissioning, the TC 7.9 comments were passed on to TC 5.2.

Proposal for the TC 7.9 group comments, possibly should have done that. How do the voting members feel about it?

TC agree they are all opposed to this idea.

Send comments to Adrienne within our activities sheet with the committee response

“rejected at this time so we understand the use of the term commissioning and how it applies to TC 7.9”

## Society Liaisons

## Sub-Committee Reports

- Membership..... Don Blacklock
  - No report
- Program..... Stephen Wiggins
  - 10 presentations this meeting relating somewhat to commissioning
  - 1 of the presentations were co-sponsored
  - If we would like the forum to continue, we must submit!
  - St Louis applicable tracks to commissioning:
    - Track 4 – HVAC systems and equipment and
    - Track 5 – smart buildings – remote monitoring, etc.
    - Track 6 – Indoor environment
    - Track 8 – renewable energy systems
  - Topics to consider going forward:
    - NIBS / DOE commissioning certification accreditation (invited speaker)
    - Intelligent building commissioning
    - Intelligent building training – operators and cx providers
    - Haystack naming convention – big data point naming
  - Call for TC 7.9 forum ideas for Orlando

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- Commissioning costs (DASH database from NIST – Can ASHRAE take this over? Operating and maintenance costs from TC 7.6 also seems like it needs a kickstart. Potentially a workshop to see if it's a big value to the membership)
- Research ..... David Shipley
  - Nothing to vote on at the moment
  - Active project is 1587 to determine if there is a way to rate how well a control loop is performing
  - Follow along on the research projects on the website, it is very up-to-date
- Handbook (Applications - Chapter 43) ..... John Gibbemeyer
  - Published the latest in 2015
  - As a goal, try to re-publish updates online within two years
  - Four year cycle for update
  - Anyone interested in reviewing the old chapter?
  - Want to get revisers identified for existing building commissioning
- Long Range Planning ..... Gerry Kettler
  - Looking
- Standards ..... JR Anderson
  - PC MOP is going away, as we are under ANSI now, PASA is the new form
- Web Site ..... David Shipley
  - Recently updated research, meeting notes
  - Added the link for becoming a member of the TC
  - User ID: tc79
  - Password: shhh79
  - Push information to Dave to have things posted
  - Dave has been the webmaster since June 21<sup>st</sup>, 1998!!! Thanks Dave!!!
- Journal and Insights/International ..... Thursten Simonsen
  - There has been one article related to commissioning in last six months, so there is an opportunity to do more
  - Consider a journal article from a program or paper
  - Insight articles are usually brief and short
- Honors & Awards ..... <open>
  - Walter Grondzik volunteered to be our Honors & Awards sub-committee lead
  - Congratulations to all who received awards!

### Cognizant Committee Liaison Reports

- SSPC 202 The Commissioning Process ..... Gerry Kettler
  - Standard, four active guideline and three more underway
  - 202 Committee is being expanded as a documentation coordination committee starting in July
  - Will talk about the organization going forward in Monday morning's meeting
  - ASHRAE 202 is now the reference standard for commissioning in ASHRAE 189, continuing to try and get it in the rest of the documents
  - Other topics: Commissioning titles, user manual (stakeholder's guide), involve other technical associations if they are in the commissioning document business
  - ASHRAE 189, the ICC and the USGBC are trying to merge the three documents
  - ICC 1000 was initially going to write their own standard, but wrote AC 476 which no one is following. ICC 1000 received 176 comments, 196 pages on a 30 page document. They are meeting again in August and want to approve something. There are high level discussions within ICC, we'll see if it happens.
  - Can the industry somehow help and do it as a joint program?
  - TC 7.6 sub-committee on Federal buildings would like to reference Standard 202 as well.

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- Standard 189 and LEED have two levels for simple and enhanced, perhaps we need a forum on it, industry wide, potential for Orlando?.
- ALI Commissioning Courses.....Walter Grondzik
  - Learning courses continue to be successful!
  - Guideline 0 has been renamed High-performance building commissioning and is being offered at the RIVA conference in Denmark next year.
- SGPC 0 “The Commissioning Process” &  
SGPC 1 “HVAC&R System Commissioning” ..... Michael Amstadt
  - Met to discuss path forward and will continue to coordinate under the 202 umbrella.
  - Send a call for members to standard 202 committee, we need the help from within TC 7.9.
- GPC 0.2 “Commissioning of Existing Buildings” ..... Tom Cappellin
  - Comments have been answered and is going back to ASHRAE publications this week
  - Annexes have been final approved
- GPC 1.2 “Commissioning of Existing HVAC&R Systems” ..... Tom Cappellin
  - Same as above
- GPC 1.3 “O&M Training for HVAC&R Commissioning” ..... Walter Grondzik
  - Expects advisory public review this fall, after this meeting.
  - Still work to do on the annexes, thanks to the committee

## Other Committee Liaison Reports

- SSPC-62 “Ventilation for Acceptable IAQ” ..... <none>
  - Volunteer for liaison was identified
- SPC-90.1 “Energy Efficient Design of New Buildings” ..... H. Jay Enck
  - Several entities within 90.1 trying to come together on what is being commissioned, what is included in the BOD for verification.
  - Currently unclear on the direction for envelope commissioning and whether it will be included
- SPC-111 “Testing and Balancing for New Buildings ..... Justin Garner
  - Joint report with GPC 11
  - Standard 111 is under significant re-write, and will hopefully go out for initial review in 1Q 2016
  - Guideline 11 is moving along but not quite at the pace of Standard 111
- TC 7.1 “Integrated Building Design” ..... David Allen
  - No report
- ~~● TC 7.2 Design Build ..... David Lewis~~
  - ~~○ Dedicated~~
- TC 7.3 “Operation and Maintenance Management” ..... Thurston Simonsen
  - Guideline 4 has been put back into revision mode and conference calls are underway, should be under significant revision this fall
- TC 7.8 “Owning and Operating Costs” ..... Lee Riback
  - Meeting is on Monday
- TRG 7 ..... Janice Peterson
  - No report
- TC 9.6 “Healthcare” ..... Roger Lautz
  - No report
- AEDG “Advanced Energy Design Guidelines” ..... Jay Enck

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- There is no funding from DOE for 75% guideline
- Guideline on Integrated Building Design and Maintenance.....
  - No report.
- MTG BIM ..... Walter Grandzik
  - No report at the moment
- Standard 189.....Gerry Kettler
  - Started

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## Other Association Reports

- ACG ..... Justin Garner
  - Cx Energy conference was well attended and received
  - Working on guideline update
  - Workgin on DOE accreditation as well
- AABC..... Justin Garner
  - National standard is tied up in the ANSI process, but will hopefully be published soon
- BCA ..... Liz Fischer
  - Focusing on advocacy and training, as well as certification
  - Also working on APPA handbook
  - 2 day training classes have been going really well
  - PECEI was purchased, so BCA is going to be updating and taking over their training program
  - NCBC was really successful this year, including work on commodization, boots on the groun vs virtulization and what does the new cx team look like
  - Gerry Kettler also received an industry award at NCBC!
  - Certification is almost complete to get accreditation
- NEBB:..... Steve Wiggins
  - NEBB has been very engaged with the DOE accreditation process and are focused on wrapping that up
- USGBC ..... H. Jay Enck
  - Last day to register for v3 is October 31<sup>st</sup>, 2016, then all new application will be v4.
- ASTM..... H. Jay Enck
  - building enclosure standard is on the streets and has caught resistance due to the costs and prescribed tests
  - They have made significant changes and reference 202 but are still making revisions, could be two years before it is back out
  - Working on a certification for building enclosure commissioning, but have asked for help and are working on it – could also be two years before it is up and running
- CCC..... <none>
  - Reinhard Seidl will become the liaison
  - CA has developed a certification program for validation of mechanical and lighting systems
  - Only one company is able to do them, have tried to be clear that it is not the commissioning process
  - It is on the CEC Website and Attcp.org
- Living Building Challenge ..... JR Anderson
  - Have begun doing training via webinars, for \$75

## Old Business

- None

## New Business

- JR Anderson
  - review of the WELL building standard
  - [www.delos.com](http://www.delos.com)
  - [www.wellcertified.com](http://www.wellcertified.com)
  - It seems like they have listed a bunch of organizations
- Gerry Kettler

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- Whole building design guide has over 70 on-demand FREE webinars
- Certification programs – initially was going to establish certification for five different skills, ultimately abandoned
- Now the board is accrediting other certifications such as, BCA, ACG, NEBB, ASHRAE with a common level of requirements of skills, knowledge and abilities
- We are expecting IAS 476 to ultimately fold into the certifications
- Sarah Maston
  - Need to re-populate paper reviewers as well

### Next Meeting

Sunday, January 24, 2016 @ 3pm

### Adjournment

It was moved and seconded for adjournment.

- Meeting adjourned at 4:58 P.M. EST

### Action Items

No Items.

### Motions

Meeting minutes for Seattle were approved.

Motion to include a forum discussion on industry hot topics in the main TC 7.9 meeting was approved.

**END OF MINUTES**

### Attachments

No Attachments.