

# TC 7.9 Meeting Minutes

Sunday, January 25<sup>th</sup>, 2015

Chicago, IL

**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 19<sup>th</sup>, 2015

TC/TG/TRG TITLE Building Commissioning

DATE OF MEETING January 25<sup>th</sup>, 2015 LOCATION Chicago, IL

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	Adam Doublestein - PCM
Justin Seter (YEA) Secretary	2014 - 17			Paul Easum - PCM
Michael Amstadt	2013 - 17			Jim Magee - PCM
David Bornside	2012 - 16			William Mak – PCM (YEA)
Justin Garner (YEA)	2013 - 17			Gary Andis – PCM
Lee Riback	2013 - 17			George Austin – PCM
Stephen Wiggins	2013 - 17			Don Blacklock – CM
John Gibbemeyer	2014 - 18			Alonzo Blalock – CM
JR Anderson	2014 - 18			Rich Casault – CM
John Castelvechi	2014 - 18			Jay Enck – CM
				Luis Escobar – CM (YEA)
				Gerald Kettler – CM
Non-Voting Members Who Are Subcommittee Chairs				Kevin Kneeven - CM
David Shipley – Research / Web		Present		Roger Lautz - CM
Thursten Simonsen – Journal		Absent		David Lewis – CM
Breesa Rose Collyer – Hon & Awrd		Absent		James Mascaro – CM
				Ken Peet – CM
				Thomas Schlachter - CM
				Benjamin Skelton – CM
				Charles Dorgan – CM
				Walter Grondzik - CM

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Bruce Pitts - Guest		Bill McMullen – Guest		
Tim Corbett – Guest		Ole Tiesen – Guest		
Timothy Woerner - Guest		Tom Foster – Guest		
Kit Brockles – Guest		Paul Levy – Guest		
Randy Teed – Guest		Tim O’Neill – Guest		
Alden Andrade – Guest		Jing Hou – Guest		
Jim Bouchat – Guest		Lee Huffines – Guest (YEA)		
Ryan Williams – Guest (YEA)		Walter Horn – Guest		
Joseph Helm – Guest		Ray Bert – Guest		
Mina Agarabi – Guest (YEA)		John Villani – Guest		
Bill Artis – Guest		Philip Haves – Research Liaison		
Kyle Knudten - Guest		Mike Eardley - CM		
Kelley Vogel - Guest				
Tomaz Cleto - Guest				
Jeffrey Conner - Guest				

### DISTRIBUTION

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

TAC Section Head:	Adrienne G. Thomle
TAC Chair:	William F. McQuade, PE, LEED AP
All Committee Liaisons As Shown On TC/TG/TRG Rosters:	
Manager of Standards	Stephanie C. Reiniche
Manager of Research & Technical Services	Michael R. Vaughn

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### Call To Order / Scope / Introduction

Tom Cappellin (Chair) called the meeting to order at 3:00 PM. All who were present provided self-introductions, including their name and affiliation.

### Approval of the Agenda

The Agenda for the meeting was presented. There were no requests for revision of the agenda.

### Voting Member Roll Call

There were 11 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 Seattle were reviewed. Motion was made and seconded to approve minutes as presented. Motion passed: 10 – 0 – 1 (Yea – Nay – Abstain). Chair not voting.

### Society Liaison and Guest Presentation

Sarah Maston (CEC):

The Atlanta Tracks are shown below. Let Sarah know if you have any questions/ comments:

#### 2015 Atlanta Annual Conference-Program Tracks

Track 1: HVAC&R Systems and Equipment

Track 2: HVAC&R Fundamentals and Applications

Track 3: Research Summit

Track 4: Refrigeration

Track 5: Building Operation, Maintenance and Optimization/Commissioning

Track 6: Indoor Air Quality

Track 7: Modeling throughout the Building Life Cycle

Track 8: High Performance Buildings

Track 9: Moving Advanced Energy Design Guidance to the Mainstream

- Conference Paper Abstract Accept/Reject Notifications sent October 6, 2014
- Website Opens for Seminar, Forum and Workshop Proposals on January 5, 2015
- Final Conference Papers Submitted for Review due January 5, 2015
- Conference Website: <http://www.ashrae.org/atlanta/>

### 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

ASHRAE has awarded TC 7.9 the Section 7 Outstanding Committee Award on behalf of outgoing chair, Walter Grondzik! Thank you Walt, and the entire committee, for your contributions and effort!

### Society Liaisons

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RAC has been focusing on improving the process of getting ideas through. Submitting an RTAR is now web based and is more streamlined. Work statements will be transitioned to web based soon, as well. Input has been requested from the TCs on how to improve the process. Cross-functional teams across TCs are always encouraged.

## Sub-Committee Reports

- Membership..... Don Blacklock
  - 13 voting members, 12 PCMs, 140 CMs
  - Keep ASHRAE bios up to date on the website!
- Program..... Stephen Wiggins
  - Met with program, research and handbook together and the meeting was very effective
  - We have no presentations at this meeting, from TC 7.9. First time this has happened in 25 meetings.
  - For Atlanta, nothing in the system officially, yet.
  - For Orlando 2016, it was suggested to extend an invitation to NIBS for DOE certification presentation.
  - Existing building and optimization of new buildings are potential interesting topics, as well.
  - There is one potential idea in the pipeline for Las Vegas.
  - Motion - Proposal to make room in the main TC 7.9 to have a forum within the meeting on industry hot topics – motion was seconded. Motion passed unanimous 11 – 0 – 0.
  - Noted that presentations still need to be vetted through CEC.
  - Atlanta - Track 5 relates to cx
  - Ashrae.org/Atlanta or ashrae.org/Orlando for additional information on the upcoming tracks.
  - Orlando abstracts for conference papers due March 23<sup>rd</sup>,
  - Orlando forums, seminars, etc. due August 10<sup>th</sup>
  - Encourage proactiveness and communication with CEC
  - 183 speakers, 18 workshops
- Research..... David Shipley
  - One active project now, check the Research section of the TC website for updates!
- Handbook (Applications, Ch 42)..... John Gibbemeyer
  - The chapters have not been sent back for proof yet, although it should be soon.
  - Publication is expected in May 2015.
  - Developing a list of on-going updates for the chapter now.
- Long Range Planning ..... Gerry Kettler
  - Looking for new members for the long range planning committee
  - Things accomplished:
    - Define commissioning provider skillsets
    - ALI training programs
    - Application tools, standards and guidelines
    - Standard 202
    - NIBS now has a commissioning council
  - Future
    - Coordination of commissioning documents
    - Getting 189, 90, and others to recognize 202
    - Training and certification of commissioning providers
    - Educate users on the benefits of commissioning
    - Develop more boiler plate documentation
    - Commissioning user manual
    - Input to courses at universities
    - Address the PE and the AIA licensing boards
    - Commissioning titles (agent, authority, provider)
    - Application of commissioning to small projects
- Standards..... JR Anderson
  - Standards committee is becoming more efficient to produce documents
- Web Site..... David Shipley
  - Recent updates include roster, programs and Chicago meeting

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- Research updates coming soon
- User ID: tc79
- Password: shhh79
- Push information to Dave to have things posted
- Journal and Insights/International ..... Thursten Simonsen
  - No report
- Honors & Awards ..... Walter Grondzik
  - The Hightower award nominees has to come from a TC
  - Standards achievement award can come from an individual or a TC
  - We have people in the room that could be candidates!
  - Outstanding committee award is for the group as a whole!
  - Thank you Adrienne for being a great section head!
- Standard 202 (Organization) ..... Stephanie Reiniche
  - The format of committees relating to commissioning standards and guidelines is changing, effective July 1, 2015.
  - There will be an executive committee with sub-committees underneath.
  - XCOM is going to submit and review membership, terms will be 4 years, rotating.
  - The structure will be similar to the 90.1 committee.
  - TC 7.9 will be the cognizant committee and there is a need for an official liaison between 7.9 and 202.
  - Get requests for membership in by March 1<sup>st</sup>, but if you are already on 202, you will not need to re-apply.

### Cognizant Committee Liaison Reports

- Commissioning Certification ..... Gerry Kettler
  - Will impact everyone in the room. There is a lot going on at this point!
  - Existing programs –
    - ASHRAE CPMP is the largest of the ASHRAE certifications
    - BCA, ACG, NEBB, U of W
  - ICC and DOE programs are driven by the code requirements, however building officials can't enforce it, yet.
  - NYC Local Law 87 have come up with forms to guide the cx program
  - AC476 created by International Accreditation Committee sets out requirements that may allow recognition of existing certifications
  - DOE program council created through NIBS, defined SKAs (ran by NREL SMEs)
  - Those SKAs will be the basis for the recognition of certifications
  - DOE still working on the licensing, likely released in 2016
  - It's not a new certification, it's accrediting the existing ones, and making sure they all have the same base level of subject matter and comply with ISO 17024
  - It will be a personal certification process, NOT certifying firms at this point.
- ALI Commissioning Course.....Walter Grondzik
  - Short course is offered generally 4 times a year and still has utility. The course was renamed into "The commissioning process for high performance buildings"
  - Second course on Standard 202 and the commissioning process will be offered for the first time this meeting (Chicago).
  - Third course is the full day one and still has a strong audience.

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- SGPC 0 “The Commissioning Process” &  
SGPC 1 “HVAC&R System Commissioning” ..... Tom Meyer
  - No report
- GPC 0.2 “Commissioning of Existing Buildings” ..... Bill Dean
  - No report
- GPC 1.2 “Commissioning of Existing HVAC&R Systems” ..... Tom Cappellin
  - No report
- GPC 1.3 “O&M Training for HVAC&R Commissioning” ..... Walter Grondzik
  - A bit of a struggle to not be repetitive with Guideline 0, but moving along
  - Advisory public review motion may be coming very soon, without annexes

### Other Committee Liaison Reports

- SSPC-62 “Ventilation for Acceptable IAQ” .....
  - No report or liaison volunteer
- SPC-90.1 “Energy Efficient Design of New Buildings” ..... H. Jay Enck
  - No report
- SPC-111 “Testing and Balancing for New Buildings ..... Justin Garner
  - Joint report with TC 7.7 & GPC 11P (Gerry Kettler) as well
  - Getting material in the appropriate places between handbook, standard 111 and guideline 11
  - Handbook approved
  - Orlando meeting is the publication target of revision of GPC 11
- TC 7.1 “Integrated Building Design” ..... David Allen
  - Handbook chapter has been significantly re-written and reinforces commissioning, input from TC 7.9 welcomed
- TC 7.2 Design Build .....David Lewis
  - Dedicated design build track in Orlando
  - Would like to joint venture with TC 7.9 for a program
  - NCBC is in St. Louis this year and looks to be a good program
- TC 7.3 “Operation and Maintenance Management” .....Thurston Simonsen
  - Guideline 4 has been re-activated and is related
  - Also sponsoring MTG O&M for energy efficiency – and there is a call for liaison
  - Subject to timing, one volunteer (Paul Easum) and a couple alternates (Lee Riback & Timothy Woerner)
- TC 7.8 “Owning and Operating Costs” ..... Lee Riback
  - Have not met yet this meeting
  - Agreed to co-sponsor Cx deliverables for O&M
- TC 9.6 “Healthcare” ..... Roger Lautz
  - Have not met yet this meeting
  - There is a forum related to infection prevention tomorrow
- SPC: Performance Measurement Protocols Dashboard ..... Bruce Hunn
  - This is still in alpha review stage
- AEDG “Advanced Energy Design Guidelines” ..... Jay Enck

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- Intend on publishing the 50% guide for an existing building commissioning guideline, but haven't received funding to develop the 75% guide.
- Guideline on Integrated Building Design and Maintenance.....
  - No report.
- MTGs ..... Ken Peet
  - EAS MTG developed a list of areas of concern for AHUs and was then disbanded
- Standard 189.....Gerry Kettler
  - Started out as an alternative to LEED and Green Code
  - Under continuous maintenance and is going to reference Standard 202
  - There is a long range plan to merge all of the codes and guidelines

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## Other Association Reports

- ACG.....Ray Bert
  - Very busy in making preparations for accreditation of certifications
  - CxEnergy conference April 2015
- BCA ..... Bill McMullen
  - NCBC will be held in St. Louis in May 2015
  - Position paper recently published on quality based selection of commissioning providers
  - Moving forward with preparations for accreditation – hopefully early 2015
  - Event in Sao Paulo, Brazil coming up this summer
- NEBB:..... Jim Bochet
  - Also preparing for accreditation
  - Energy calculation handbook is in publication and will be released EOQ
  - Cx technician certification program launching end of 2<sup>nd</sup> quarter
- USGBC ..... H. Jay Enck
  - LEED v3 available through June 2017
  - LEED v4 also available.
- Cx Unification..... H. Jay Enck
  - Covered above
- CCC..... Dave Moser
  - No report
- Living Building Challenge ..... JR Anderson
  - Aggressively pursuing efforts worldwide
  - Conference will be in Seattle this year
  - Standard is available for free on the website
  - What is it? All energy is generated on-site, recover all water, and have standalone sewer system
  - There are already over 100 buildings
  - Advised all to be aware, the technology is moving rapidly!
- ASHRAE Position document on CX..... Walter Grondzik
  - Ad Hoc committee to decide if a CxP must also be a PE
  - It is indefinitely tabled due to some potential conflict with the Building Performance Alliance
- ICC 1000 (Standard for Commissioning)..... Gerry Kettler
  - Building officials needed guidance, so the ICC started out to develop their own standard
  - Initial committee was mostly building officials, but has some CxP input
  - Now trying to create a list of commissioning requirements for permit, CO and close out
  - Currently, things such as OPR, BOD, specification and training are OUT of the standard
  - Public review will be soon and there is a call for TC members to comment
  - Includes requirements for CxP and CxSpecialist
  - Likely a chance to give input at the NIBS conference
  - Guideline 4 may, or may not, be replaced by Standard 1000
  - May be able to increase impact by having organizations take a formal position
  - Request to have the directions for public comment distributed to the TC



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- ASHRAE formal liaison to ICC should be brought into the loop with the collective concern

### Old Business

- None

### New Business

- Sarah Maston on Ad-Hoc committee on effective use of volunteer time
- Looking at the structure of the conference overall
- If anyone has concerns or comments on the conference please share them with Sarah

### Next Meeting

Sunday, June 28, 2015 @ 3pm

### Adjournment

It was moved and seconded for adjournment.

- Meeting adjourned at 4:55 P.M. CST

### 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.