

TC 7.9 Meeting Minutes

Sunday, January 24th, 2016

Orlando, FL

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 **January 24th, 2016**

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

DATE OF MEETING **January 24th, 2016** LOCATION **Orlando, FL**

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	David Bornside	2012 - 16	William Mak – CM (YEA)
Justin Seter (YEA) Secretary	2014 - 17			Mina Agarabi – CM (YEA)
Justin Garner (YEA) (Remote)	2013 - 17			David Cantrill – CM (YEA)
Michael Amstadt	2013 - 17			Roger Lautz - CM
Lee Riback	2013 - 17			Benjamin Skelton – CM
Stephen Wiggins	2013 - 17			Alonzo Blalock - CM
John Gibbemeyer	2014 - 18			Reinhard Seidl - CM
Gerald Kettler	2015 - 19			H. Jay Enck – CM
Don Blacklock	2015 - 19			Tim Corbett - CM
John Castelvechi (Remote)	2014 - 18			James Mascard - CM
				Joy Altwies - CM
				Svein Morner - CM
Non-Voting Members Who Are Subcommittee Chairs				Charles Dorgan - CM
David Shipley – Research / Web	Present			Rogeh Alnajjar - CM
Thursten Simonsen – Journal	Absent			Alden Andrade - CM
Walter Grondzik – Honors & Awards	Present			David Allen - CM
				David Lewis - CM
Guests				Ole Tiesen - CM
Wade Conlan	Jim Bochat	Harvey Schowe	Lee Huffines (YEA)	George Austin – CM
Steve Kamadulski	Liz Fischer	Dave Walls		Michael Kuk - CM
Kelsey Staggs	Bruce Pitts	Jeff Conner		Tina Bruekner - CM
Scott Gordon	Kevin Christman (YEA)	Yoora Byeon (YEA)		Tim Patterson - PCM
Norm Nelson	Kevin Gardner	Tomaz Cleto		

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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 3:08 PM. All who were present provided self-introductions, including their name and affiliation.

Voting Member Roll Call

There were 11 voting members present out of a total of 13, including 2 remote participants. A quorum of voting members was present for the meeting.

Approval of Atlanta Minutes

The draft minutes from Atlanta were reviewed. Motion was made and seconded to approve minutes as amended. Motion passed: 9 – 0 – 0 (Yea – Nay – Abstain) (two remote attendees were not yet joined when vote was taken).

ASHRAE Administrative Matters / Issues from TC Chairs Breakfast

TC Chair's Breakfast Notes:

Hightower Award – Steve Duda from TC 4.1

4 New MTGs have been created and are available to join:

- ASEC – avoided source energy consumption
- IAST – Impact of ASHRAE standards on energy performance
- ISPAQE – Indoor swimming air quality and evaporation
- OBB – Occupant behavior in buildings

Correspondence / Announcements

Nothing new to report.

Society Liaisons

Sarah Maston - CEC Update - ASHRAE Programs

Tracks for upcoming conferences on are on the websites www.ashrae.org/stlouis and www.ashrae.org/lasvegas.

Proposals for Las Vegas are due in August. We have some discussion on the concept of potentially building our own mini-track for commissioning in Las Vegas.

5 subject matter experts will be funded by ASHRAE to come speak, must not be an ASHRAE member.

Sub-Committee Reports

- Membership..... Don Blacklock
 - 13 voting members
 - 13 PCMs
 - 141 CMs
 - Open to new members, see Don after the meeting
- Program..... Stephen Wiggins
 - Great meeting combined with the Handbook and Research Subcommittee

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- One presentation on St. Louis on data analytics. At least one in the works for Las Vegas.
- Discussion regarding going for a track in Las Vegas to ramp up involvement. Potentially combine with some of the other Section 7 groups for the track.
- There are many options available for presentation formats. Potential to make a “themed” track, potentially on a single day in order to drive up attendance
- Collaboration through a Sharefile on the subcommittee level and for voting members
- Research David Shipley
 - One active research project with TC 1.4 on the measurement of performance of control loops, should be published fairly soon
- Handbook (Applications - Chapter 43) John Gibbemeyer
 - Discussing publishing on the online handbook on the 2 year cycle. The online handbook can be re-published at any time. The online handbook comes with your ASHRAE membership.
 - Items in progress: coordination with ASHRAE standard 202 and commissioning costs,
 - We need volunteers to help with existing building commissioning, and ongoing commissioning with fault detection / analytics
- Standards Open
 - Need a volunteer for standards subcommittee chair to communicate with the standards committee
 - Walter Grondzik has volunteered to be the Standards subcommittee chair
- Web Site David Shipley
 - Website has undergone a major upgrade to match the ASHRAE standard
 - Membership information is now all automated
 - All of the meeting minutes since 1994 are now uploaded to the website
 - There is no longer a password protected area, so minutes that are in DRAFT form will not be posted. ASHRAE continues evaluating secure document collaboration software.
 - Continue pushing content to Dave in the event content needs to be published
- Journal and Insights/International Thursten Simonsen
 - No report
- Honors & Awards Walter Grondzik
 - Request to the group for nominees, Walter will help facilitate the process.

Cognizant Committee Liaison Reports

- SSPC 202 The Commissioning Process Gerry Kettler
 - Standard 202 Is Under Continuous Maintenance
 - Active sub-committees for Standard 202, Guideline 0, 1.1 and 1.5
 - STD 202 adopted by 189.1. Working on 62.1 and 90.1
 - Liaisons appointed to 189.1, 90.1 and 62.1. Liaisons exist with AIA, ICC, NFPA and NIBS
 - Industry publication summary being developed.
 - Meeting on Monday from 8 to Noon, Lake Louise A room. Agenda includes:
 - Commissioning Report from Europe
 - Commissioning Titles and Definitions
 - Support and documentation for local code existing building commissioning for low performing buildings. New York, Washington and Chicago have these programs.
 - Commissioning process application for small and simple buildings

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- USDOE/NIBS CWCC Program and Certifications – Commissioning Provider (one of 5 titles)
 - DOE completed program development in 2015. It licenses organizations that meet the ISO 17024 and DOE requirements to certify individuals. AEE and ASHRAE now licensed. BCA and NEBB in process.
 - DOE program has certification and certificate programs.
 - ASTM and AIA have been working on Cx certifications
- National Institute of Building Science (NIBS)
 - Commissioning Council met Jan 12, 2016 in Washington
 - WBDG commissioning sections being updated
- American Institute of Architects (AIA)
 - Developing a AIA commissioning services contract boiler plate
 - Have hired a staff member to coordinate the commissioning process.
- International Code Council (ICC)
 - 2015 versions of IECC and IGCC require commissioning
 - Published Guideline G-4 – Guideline for Commissioning
 - International Accreditation Service (IAS) has published AC476 – Accreditation Criteria for Organizations Providing Training and/or certification of Commissioning Personnel.
 - Standard 1000 – Standard for Commissioning Process is being developed. It has been through the first public review.
- ASHRAE Standard 189.1 – Standard for the Design of High Performance Green Buildings
 - ICC IGCC being folded into 189.1 for 2018
 - Cx requirements for current IGCC not the same as 189.1. This is being addressed in 189.1 WG 10.
 - Building <5,000 Sq Ft use “Acceptance Testing”. Cal Green uses a similar process.
- CAL Green – Title 24
 - Includes Commissioning requirements
 - Has developed checklists for new construction.
- ALI Commissioning Courses.....Walter Grondzik
 - 4 commissioning courses are offered by ALI
 - Presenting at CLIMA in Denmark in 2017 as well
- SGPC 0 “The Commissioning Process” &
SGPC 1 “HVAC&R System Commissioning” Micheal Amstadt
 - Committee is meeting to discuss process to update the documents where necessary
- GPC 0.2 “Commissioning of Existing Buildings” Tom Cappellin
 - Expect June Publication
- GPC 1.2 “Commissioning of Existing HVAC&R Systems” Tom Cappellin
 - Expect June Publication
- GPC 1.3 “O&M Training for HVAC&R Commissioning” Walter Grondzik
 - Standing request for annex examples, i.e. training plans, training checklists

Other Committee Liaison Reports

- SSPC-62 “Ventilation for Acceptable IAQ” <none>
 - Open request for a liaison
 - Mr. Jean Francois Pelletier was volunteered, although he was not in the meeting
- SPC-90.1 “Energy Efficient Design of New Buildings” H. Jay Enck
 - Adding building envelope aspects to Standard 90.1
- SPC-111 “Testing and Balancing for New Buildings” Justin Garner

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- No report
- GPC-11 Control Components Testing..... Justin Garner
 - Aiming for Las Vegas for public review publications
- TC 7.1 “Integrated Building Design” David Allen
 - Proposal to have TC 7.1 contribute to commissioning track for las Vegas
- TC 7.3 “Operation and Maintenance Management”.....Thurston Simonsen
 - No report
- TC 7.7 Testing and Balancing..... Justin Garner
 - No report
- TC 7.8 “Owning and Operating Costs”..... Lee Riback
 - Interested in supporting the effort to gather data on costs along with TC 7.9.
- TC 9.6 “Healthcare” Roger Lautz
 - No report
- AEDG “Advanced Energy Design Guidelines” Jay Enck
 - No report
- MTG BIM Walter Grondzik
 - Working on the NIBS guide for owners

Other Association Reports

- ACG Ray Bert
 - No report
- AABC..... Jim Magee
 - No report
- BCA Liz Fischer
 - Revising best practices for new construction documents, which should be available soon
 - Also have updated the website
 - Existing building best practice will begin revision soon
 - NCBC conference in Palm Springs in May
 - BCA University – 40 hour certificate program will be launched at the AHR Expo on Monday
- NEBB:..... James Bochat
 - Board has directed that all standards must now be ANSI documents
- USGBC H. Jay Enck
 - LEED v3, time is running out before v4
- ASTM..... H. Jay Enck
 - Has had objections to relevant guideline with major revisions underway
 - Users guide, formerly Guideline 3 from NIBS, has been pared down to support 2813
- NIBS..... Liz Fischer
 - NEBB and BCA have the pre-application submitted in order to become accredited
 - Certifications from accredited bodies in support of DOE Better Buildings needed in order to perform federal work
 - Commissioning Leadership Council
 - Build a presentation on what commissioning is in order to educate owners

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- Desired update to Evan Mills study, LBNL is looking at updating the research
- CCC (California Commissioning Collaborative) <none>
 - Reinhard Seidl volunteered to be liaison
- Living Building Challenge <none>
 - David Cantrill volunteered to be liaison

Old Business

- Nothing to discuss

New Business

- Discussion of a potential fund raising in the name of J.R. Anderson, who has passed away.

Next Meeting

Sunday, June 26th @ 3pm in St. Louis (tentatively)

Adjournment

It was moved and seconded for adjournment.

- Meeting adjourned at 4:50 P.M. EST

Action Items

No Items.

Motions

Meeting minutes for Atlanta were approved.

END OF MINUTES

Attachments

No Attachments.