

--	--	--	--

CM = Corresponding Member, PCM = Provisional Corresponding Member

GUESTS

NAME	NAME

DISTRIBUTION

<i>All Members of TC/TG/TRG plus the following:</i>	
TAC Section Head:	Marija Todorovic
TAC Chair:	Michael R. Bilderbeck
All Committee Liaisons As Shown On TC/TG/TRG Rosters:	
Manager of Standards	Stephanie C. Reiniche
Manager of Research & Technical Services	Michael R. Vaughn

1. Call To Order / Scope / Introduction

- Justin Seter (Vice Chair) called the meeting to order at 3:08 PM. All who were present provided self-introductions, including their name and affiliation.
- Agenda for meeting was approved.

2. Voting Member Roll Call

- There were 7 voting members present out of a total of 9 voting members. A quorum of voting members was present for the meeting. Chair not voting.

3. Approval of Chicago Minutes

- The draft minutes from Chicago were reviewed and a correction was noted. Motion was made and seconded to approve minutes as amended.
 - Gerry Kettler moved to approve, Bradley Brooks seconded.
- Motion passed: 7 – 0 – 0 (Yea – Nay – Abstain)

4. ASHRAE Administrative Matters / Issues from TC Chairs Breakfast

- **TC Chair's Breakfast Notes:**
See attached Breakfast Notes

5. Correspondence / Announcements

- No Update

6. Society Liaisons

- No Updates

7. Sub-Committee Reports

- Membership..... Tom Cappellin
 - 8 voting members
 - 1 voting, non-quorum members
 - 28 YEA Members
 - 41 provisional corresponding members
 - 165 Corresponding members
 - 215 Total Members
 - See attached Membership Report
- Program Jim Vallort
 - Subcommittee meeting yesterday to bring storm ideas
 - Electronic commissioning tools
 - Commissioning Lessons Learned
 - What a commissioning provider needs in their toolbox
 - Sampling vs. Not Sampling
 - August 3rd, 2018 submission deadline for Atlanta Conference
 - Kansas City Conference will have dedicated commissioning track
- Research..... David Shipley
 - Three Projects are still being considered
 - Evaluation of Cost-effectiveness of Different Testing Approaches in Building Commissioning

- Impact of Commissioning HVAC Systems on Life Cycle Cost
 - Will probably be shelved for now
 - Identification and Collection of Performance Metrics for Non-Commissioned Building Construction Projects
- Handbook (Applications - Chapter 43)..... John Gibbemeyer
 - July 16, 2018 Deadline for Handbook Chapter
 - Future drafts will be posted on Basecamp
 - Final version for review will be completed before July 1, 2018
- Standards..... Walter Grondzik
 - Commissioning of Data Centers guideline development has moved forward and will sit in SSPC300
- Web Site..... David Shipley
 - Website: <http://tc0709.ashraetcs.org/>
 - Review your respective area, make sure it is up to date, relevant and email if anything needs to be updated
- Journal and Insights Bradley Brooks
 - No report, Bradley Brooks volunteered to liaison
- Honors & Awards Walter Grondzik
 - Gerry Kettler received the Standards Achievement Award

8. Cognizant Committee Liaison Reports

- SSPC 300 The Commissioning Process..... Gerry Kettler (next several sections)
 - Reference Basecamp for Meeting Minutes and Updates
 - See attached document - Report on SSPC 300, STD 202 and Industry Programs
- ALI Commissioning Courses.....Walter Grondzik
 - Guideline 0 and Standard 202 courses are still cognizant by TC 7.9.
- GPC 1.2 “Commissioning of Existing HVAC&R Systems”.....Tom Cappellin
 - Guideline is complete and being reviewed
 - Publicization target is this Fall
- GPC 1.3 “O&M Training for HVAC&R Commissioning”.....Walter Grondzik
 - Has been published
- GPC 1.6 “Guideline for Data Center Cx”.....Steve Wiggins
 - First meeting was today and committee is still being formed
- Dictionary of Terms
 - Final coordination is still being worked on

9. Other Committee Liaison Reports

- SSPC-62 “Ventilation for Acceptable IAQ”.....TBD
 - No report
- SPC-90.1 “Energy Efficient Design of New Buildings”.....H. Jay Enck

- Adding new form to Informative Appendix
 - References of Standard 202 has been updated
- SPC-111 “Testing and Balancing for New Buildings”.....Justin Garner
 - Meeting on Tuesday
- GPC-11 Control Components TestingTom
 - Waiting for public review response
 - Looking to do workshop on Lessons Learned
- TC 7.1 “Integrated Building Design”David Allen
 - No Update
- TC 7.3 “Operation and Maintenance Management”Mina Agarabi
 - Looking to do workshop with YEA on Lessons Learned and applicable guidelines and standards
- TC 7.7 Testing and Balancing.....Tom
 - No Update
- TC 7.8 “Owning and Operating Costs”Open
 - No Update
- TC 9.6 “Healthcare”Roger Lautz
 - No report
- AEDG “Advanced Energy Design Guidelines”Jay Enck
 - Final draft due March 15, 2019
 - Documentation will be available May 31, 2019
 - ~600,000 downloads of the guideline
- MTG BIMOpen
 - No report

10. Other Association Reports

- BCA.....Tracey Jumper
 - Associate certification is back to operational
 - Advocacy efforts are underway
 - 20th Anniversary conference in Nashville
- NEBB:Curtis Anthony
 - Commissioning standard S110 and retrocommissioning standard S120 has been published
- ACGJim Magee
 - Spoke at Edmonton, Canada and Anchorage, Alaska
 - Reformatting ACG Commissioning Guideline
- AABCJustin Garner
 - 3 Day Workshop in conjunction with CxENERGY
 - Annual Meeting is in October, Palm Springs
- USGBCH. Jay Enck
 - Jointed with New Building Institute to promote Net Zero Energy
 - 302 buildings have been verified

- ASTMH. Jay Enck
 - No updates on Standard 2813, 2947
 - No published update since 2012
- Green Globes.....James Mascaro
 - No report
- ICB / TABB.....TBD
 - No update
- Living Building ChallengeDavid Cantrill
 - No report
- USTAG ISO.....Gerry Kettler
 - New Liaison position formed
- GBCI 41P.....TBD
 - New Liaison position formed
- AIA.....David Meyers
 - Working on integrating commissioning into architects focus

11. Old Business

- J.R. Anderson Scholarship Fundraiser
 - Astros game fundraiser sold out!
 - Scholarship is about half way funded

12. New Business

- GPC 1.2 Commissioning of Existing Buildings
 - Cities are developing ordinances for retro-commissioning of buildings and requesting tools and standardize reporting requirements in the next 12 months
 - DOE is trying to avoid fragmented versions of retro-commissioning in various cities
 - ASHRAE Standard 211 has been referenced for preliminary web-based tool and some cities have used it to meet its local auditing requirements
- TC 1.4 Special Publication to support Guideline 36 on Advanced Sequences of Operation
 - Liaison will be established
- GPC 4.1
 - Liaison will be established
- TC Main Meeting Recommendations
 - Microphones for attendees
 - Forum Discussions
 - More correspondence between meetings

13. Next Meeting

- Sunday, January 13 @ 3:00 PM CST in Atlanta, GA

14. Adjournment

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

15. Action Items

- No Items.

16. Motions

- Motion for meeting minutes for Chicago approval - PASSED

END OF MINUTES

Attachments

Notes from TC Chair's breakfast meeting

Report on SSPC 300, STD 202 and Industry Programs

Report on SSPC 300, STD 202 and Industry Programs

By Gerald J Kettler, PE, CCP, CPMP, BEAP, BEMP

1. SSPC 300, Commissioning
 - a. SSPC 300 is the master committee overseeing all the ASHRAE Cx standards and guidelines, and related documentation coordination with Cx Industry organizations.

- b. There are active sub-committees for Standard 202, Guideline 0, 0.1, 0.2, 1.1, 1.4, and 1.6. Guideline 1.5, Smoke Control has been republished is not currently active.
 - c. Standard 202 and Guideline 0 are under Continuous Maintenance
 - d. Liaisons have been appointed to Standards 189.1, 90.1 and 62.1. Liaisons exist with ACG, AIA, BCA, ICC, IES, NEBB, NFPA and NIBS
 - e. Industry publication summary has been developed, revised, and distributed to SSPC 300 committee members.
 - f. The SSPC meeting on Monday, 6/25 in Room 335C from 8AM to Noon - Agenda includes:
 - i. Reports from liaison organizations and committees
 - ii. Code related activities for commissioning.
 - iii. International Cx standards activities including ISO. International commissioning definitions coordination is being implemented between ASHRAE and two of the European engineering organizations.
 - iv. Standard 202 has been submitted for inclusion as an ISO standard.
 - v. Reports on ASHRAE Cx standard and Guidelines subcommittees. A new guideline development has been started as GDL 1.6, Commissioning of Computer Centers.
 - vi. Discussion of Commissioning documentation coordination, and application.
2. Standard 202-2013 The Commissioning Process for Buildings and Systems
- a. STD 202 adopted by 189.1, and is a possibility on 62.1 and 90.1. An informative annex in commissioning has been proposed for 90.1.
 - b. STD 202 changes on Commissioning Titles 'change a' and Definitions 'change b' have been completed.
 - c. Additional edits for 202 annexes are being developed and voted on.
 - d. Republishing of Standard 202 is anticipated in the fall of 2018
3. Commissioning Application, a Stakeholders Guide publication has been developed and has been submitted as a special publication of ASAHRAE and BCA.
4. USDOE/NIBS CWCC Program and Certifications – Commissioning Provider (1 of 5 titles)
- a. DOE completed program development in 2015. It licenses organizations that meet the ISO 17024 and DOE requirements to certify individuals. ACG, ASHRAE, BCA have been ANSI certified and licensed by DOE. NEBB is in process of seeking DOE Cx certification. AEE and EMA now licensed for non-commissioning certifications.
 - b. A certification program on building blast protection design is being developed.

- c. DOE program has certification and certificate programs.
5. National Institute of Building Science (NIBS)
 - a. NIBS Commissioning Council met Jan 8, 2018 in Washington
 - b. WBDG commissioning sections have been updated
 6. American Institute of Architects (AIA)
 - a. Developing an AIA commissioning services contract boiler plate.
 7. International Code Council (ICC)
 - a. 2015 versions of IECC and IGCC require commissioning. The IECC -2018 code issue appears to be following very similar requirements.
 - b. Published Guideline G-4 – Guideline for Commissioning has been revised by ICC and industry committee and is currently in public review.
 - c. ICC Standard 1000 – Standard for Commissioning Process has been cancelled and has been combined with the revised Guideline 4.
 8. ASHRAE Standard 189.1 – Standard for the Design of High Performance Green Buildings
 - a. ICC IGCC being folded into 189.1 for 2018 except for IGCC administration chapter.
 - b. Cx requirements have been included in 189.1 to follow Standard 202 process requirements and coordinate with other codes and will be in the 2018 publication.
 9. CAL Green – Title 24
 - a. Includes Commissioning requirements
 - b. Has developed checklists for new construction.