

Meeting Minutes

TC 9.9 Building Commissioning

Minneapolis
25 June 2000

The meeting was called to order at 3:05 PM with chair W. David Bevirt presiding. A roll call was made: 16 of 18 voting members were present. Self introductions were made. The meeting agenda is attached.

Motion 1: No new items were added to the agenda which was accepted unanimously.

Dave Bevirt announced that he is retiring with Andy Nolfo taking his job at NEBB.

Review of Action Items (AI) Status:

Action Item 1: Carl Lawson will prepare a Program Subcommittee report and submit it to the website and to the secretary. Completed at 6/25/00 meeting. Carl passed out a program schedule which will be posted on the website. He announced Atlanta programs. All programs will be filled, though some authors may change. Carl will email changes for inclusion in the minutes (completed). Carl will work with Barry Bridges to get future speakers.

Action Item 2: Dave Bevirt to reappoint Elia Sterling as liaison to SSPC62. This has been sent in to headquarters.

Motion 2: The minutes from the meeting in Dallas were approved unanimously.

Society Liaisons

Society liaisons from TAC, Standards, Program, and RAC were not present.

Journal Liaison - David Bevirt

There is a continuing need for technical articles. There will be a 'What's Happening in Refrigeration' article in each journal, to support putting the R back in ASHRAE. Dave is now the journal chairman. Starting in December there will be articles on controls for 14 months. Starting in January, there will be articles on commissioning for 12-14 months. There is a desire to improve the journal and comments would be appreciated. They would also like more input on student chapters, research, or activities, something different or newsy.

Handbook Liaison

The handbook liaison, (sorry, did not get his name), reported that the new president has decided to give PAOE points for reviewing handbook chapters. They are also doing work to link terminology to the chapters in which they are discussed.

Subcommittee Reports:

Program - Richard Rose and Carl Lawson

Carl Lawson's report already given. Karl Stum remarked that he would like to see more planning. J.R. Anderson volunteered to research what programs have been done so far, since 1989.

Handbook Chapter - Karl Stum

The committee is still on hold. They are waiting to see how GPC1 is coming along. Modifications to the chapter should be in line with the direction they are taking. Karl asked for subcommittee members. Kathy Radke will schedule a handbook subcommittee meeting for Atlanta.

Research - Kristin Heinemeier

Kristin handed out the subcommittee report from June 24 (attached).

ASHRAE Research project 1032-RP, Identification and Preservation of Building Design Information for Use in Commissioning and Operations, has been contracted out. This project is cosponsored with TC1.5. The final report is due February 28, 2001.

The first priority item work statement for "The Impact of Commissioning HVAC Systems on Life Cycle Costs", is being revised by Ken Peet after discussion in the subcommittee meeting.

The second priority is WS 1115, which was sent back to the TC to resubmit in an effort to get more bidders. In the meantime, Ken Gillespie of PG&E thought it was such a good idea that he submitted it for internal funding. PG&E is now offering to fund the project and to do the work. The subcommittee wants to hold further action until the next meeting to confirm that they will really fund the project. Andy Nolfo asked whether ASHRAE would have any control or input as to the final deliverable. Kristin pointed out that Ken is one of the most active members of the research committee and would be very open to input. Results would be in the public domain. The committee will wait to see if any more work needs to be done.

The third priority, "Quantifying the Benefits of HVAC Equipment Monitoring, Fault Detection, and Diagnostics," does not have a big focus on commissioning but is in line with research interests. We are cosponsoring with TCs 4.11, 1.7, and 1.8.

No action is required on number four. There is still interest in number five, but no action has been taken yet on a work statement. This will probably be taken to TC 1.4 to see if there is an interest in cosponsoring. Carl Lawson remarked that we should be aware that Bill Seaton does not want the same people to appear over and over again as authors on the work statements. Volunteers are needed to serve on the research subcommittee. The meetings are held on Saturday in order to be prepared for the Sunday TC meeting.

Long Range Planning - Gerald Kettler

The subcommittee report is attached. They have been talking to people around the country and finding that not many practicing engineers understand the true process of commissioning. Utilities and state energy agencies are picking it up, but the commissioning industry does not have enough properly trained people to do the work if demand increases. There needs to be more of an educational process for architects and owners. Research money could go towards developing cost-benefit analyses. There is also a need for more tools from ASHRAE, such as application products /boilerplate, so that someone getting into it doesn't have to start from scratch. There are a lot of test procedures and other forms available, but they have not been peer reviewed.

Rick Casault pointed out that the Building Commissioning Association will be presenting a five day technical program intended to prepare those who are already qualified engineers to be commissioning providers. Andy Nolfo gave the example of the 1996 AIA guideline for healthcare which is in the bookstore, which includes only one paragraph on commissioning. They need something from ASHRAE to point the way. Carl Lawson said that SP91 will have a full chapter on the commissioning of healthcare facilities. Also, several ASHRAE members have been asked to put together a special insert on commissioning for the ASHRAE Journal. Carl Lawson has some powerpoint presentations that could be made available for chapter presentations.

Dave Bevirt asked Mike King what was happening at NIBS. He reported that the work is going hand in hand with GPC1, some members of which were asked to draft the NIBS guideline 0 for distribution to other involved organizations to help them develop their own guidelines. The next steering committee meeting is scheduled for October. GPC1 is also scheduled for October. It was noted that five people in attendance at TC9.9 are on the NIBS committee.

Membership - Elia Sterling

Elia reported that there are now 18 voting members and 29 corresponding members. If someone has been dropped from the list, they should ask to be reinstated.

Total Commissioning Guideline - Carl Lawson

Web Page - Dave Shipley

Dave was not present. The web site is running.

Liaison Reports:

GPC-4 Operating and Maintenance Documentation - Gerald Kettler

They are making good progress. The intent is to have a draft before the next meeting. It is being very closely coordinated with GPC-1.

SSPC-62 Ventilation for Acceptable IAQ - Elia Sterling

They are still meeting. The addendum that we submitted comments on is being revised. Sections H and I which cover IAQ procedure are soon going out for public review. There is one item that is coming up for review that will be of interest, it addresses humidification requirements.

SSPC 90.1 Energy Efficient Design of New Buildings - Cedric Trueman

Not present.

SSPC 90.2 Energy Efficient Design of New Low Rise Residential - Walter Grondzik

Public review comments have been received and a total rework of the standard has been submitted through the continuous maintenance process.

SSPC 111 Test and Balance for HVAC & R Systems - Gerald Kettler

This finally went out for public review. They are meeting Monday to review comments. Publication date is unknown.

GPC-10P Criteria For Achieving Acceptable Indoor Environment - Gerry Kettler

No progress.

GPC-11P Performance Testing and Verification Control Systems - Gerald Kettler

They are doing another iteration and adding some more information and graphics. They are hoping to get it out for public review before the next meeting.

GPC-13P Specifying Direct Digital Control Systems - Gerald Kettler

The reviews are finished and it has been submitted for publication.

TC 1.4 Control Theory and Application - Larry Fisher

Not present.

TC 1.7 Operating and Maintenance Management - Kathleen Radke

Nothing to report.

TC 1.8 Owning and Operating Costs - Barry Bridges

Not present.

TC 9.1 Large Building Air Conditioning Systems - Joe Scolaro

There is no carry over from Dallas. Joe will be attending the meetings in Minneapolis.

TC 9.7 Testing and Balancing - Rodney Lewis

Not present. Gerald Kettler commented that there will be an interesting meeting with discussion on water balance and traversing methods on Monday.

Old Business:

Insights is still trying to get submissions from technical committees on what is happening. A good example of something of interest would be the discussion in 9.7 on traversing methods.

New Business:

Dave Bevirt turned the meeting over to Kathy Radke as the new chairman.

Motion 3: Carl Lawson will be the liaison to SP91. The motion was seconded and

passed unanimously.

ASHRAE is working with Clima 2000 which will be held in September 2001 in Naples, Italy. Brochures are available at the bookstore.

Next Meeting:

The next meeting will be Sunday, January 28, 2001, in Atlanta, from 3-5 PM.

Adjournment:

The meeting was adjourned at 5.53 PM.

By: Janice Peterson

Attachments not provided as links were distributed to committee members in hard copy form by ASHRAE.