

TC 04.05 Committee Meeting Minutes

Tuesday, June 28, 2005

1300 – 1530

Adam's Mark Hotel

Denver, Colorado

Attendees [* denotes voting members]

*Brian Crooks, bcrooks@cardinalcorp.com

*William DuPont, waupi@msn.com

Jason Theios, jtheios@guardian.com

*John Hogan, john.hogan@seattle.gov

Christian Kohler, jckohler@lbl.gov

Victor Kootin-Sanwu, victor.kootin-sanwu@uc.edu

*Anil Parekh, aparekh@nrcan.gc.ca

Marc LaFrance, marc.lafrance@ee.doe.gov

Jim Benney, jbenney@nfr.org

*Hakim Elmahdy, hakim.elmahdy@nrc.ca

Aziz Laouadi, aziz.laouadi@nrc.ca

Chris Gueymard,

chris@solarconsultingservices.com

Sue Reilly, sreilly@enermodal.com

1. Welcome & Introductions

The Meeting was called to order at 1310, chaired by B. Crooks.

2. Secretary

The Secretary for the meeting was J. Benney.

3. Review of Roster

There were 5 voting members present, 6 absent, a quorum was **not** established.

It was realized that roster update should be prepared by the winter meeting. No roster changes or member nominations will be accepted at this time.

4. Review of Agenda

There were no recommended changes to the Agenda.

5. Approval of the minutes

The Minutes from last meeting, Orlando, January 2005 were reviewed. No comments were made on the minutes. Approval will be done via letter ballot.

6. Chair's report

The Chair and Vice-Chair discussed the Section heads meeting.

7. Society Liaisons

- a. Section IV reported by Chris Wray. Brian Crooks was applauded for his service as TC 4.5 chair.
- b. Dan Fisher (TC 4.7) reported on the proposed RTAR for internal surface convection coefficients that he hoped would be jointly co-sponsored by TC's 4.7, 4.5 and 5.3. The difference between the proposed RTAR and the TC 4.5 research projects were discussed. It was noted that a letter ballot be sent out to the TC to obtain approval of co-sponsoring this RTAR. Anil Parekh volunteered to be the TC 4.5 representative on the joint group writing the work statement for this RTAR.

TC projects

- a. Research: **1143-RP**, Reference Procedure to Obtain Typical Solar Spectra for Advanced Solar Heat Gain Calculations (PI is Chris Gueymard, DuPont is PMS Chair). W. DuPont reported that the PMS met with the PI. Project objective is to develop a model to determine the solar spectra at any location and tilt angle in North America.
- b. Research: **1236-RP**, Heat Transfer Through Roll-Up Doors, Revolving Doors And Opaque Nonresidential Swinging, Sliding And Rolling Doors (PI is Alex McGowan, Hogan is PMS Chair). J. Hogan reported on the PMS review meeting. The only action item is a request by the PMS (approved 5-0-0) for a no-cost extension to February 28, 2006. This issue will be handled by a letter ballot.
- c. Guideline: **GPC25**, successor to ASHRAE Standard 74-1988 (Collins is Chair) did not meet. Issue about membership: just enough members now (minimum required is 5). Work ahead is to develop a work plan to review the previous standards.
- d. Standard: **SPC142** (Wright is Chair). No meeting was held; no report given. This Committee may be dissolved if a new chair cannot be found.

8. Subcommittee reports

- a. **Program** (reported by DuPont). There are two symposiums planned for the Chicago meeting that appear to be prepared to meet the deadlines for submittal; as well as a proposed seminar and proposed forum. It was noted that a letter ballot will be sent to the committee for prioritizing the symposia, seminar and forum. It was noted that a vote for priority may not be needed (DuPont will follow-up).
- b. **U-factor** (Parekh). See attached report.
- c. **Solar Heat Gain** (reported by W. DuPont). See attached report. Also it was requested that the subcommittee review the issue of accurate SHGC inputs into DOE-2 and Energy Plus. C. Kohler is the liaison for TC 4.5 for PMS 1311. It was reported that Mike Collins has resigned as SHG chair and agreed to chair the Handbook Subcommittee. The TC is looking for a new SHG chair.
- d. **Handbook** (reported). It was reported that Mike Collins has agreed to chair the Handbook Subcommittee. It was noted that Charlie Curcija should get the recognition for his work (8 years) on the Handbook Subcommittee.
- e. **Research** (reported by DuPont). The Research Subcommittee Ballot for research priorities (and two revised RTAR's) will be submitted in mid-July to committee (note that both RTAR's were sent to RAC and sent back with comments and will be revised accordingly). Chris Mathis is writing the RTAR on the Fenestration Chapter U-factor/SHGC Tables. A proposed new RTAR submitted by Aziz Laouadi was discussed and will also be sent out for letter ballot for approval.
- f. **Standards** (reported by Hogan).
- g. **ASHRAE Learning Institute**. The liaison (M. Falke) was absent – no report given.
- h. **Website**. The chair was absent. There was some concern expressed over the information on TC 4.5 being posted. There was a request for someone to step up as a new webmaster.

9. Old business – none.

10. **New business** – The committee applauded Brian Crooks for his service.

11. **Adjourn** - The Meeting was adjourned at 1510.

Scope for TC 4.5 Fenestration

TC 4.5 is concerned with the identification and evaluation of all physical properties of (1) glasses and other glazing materials, (2) shading and shielding materials and devices, and (3) control devices and strategies which influence the radiant, conduction, and convection transfer of both heat and light through fenestration systems. It is also concerned with the development of procedures for calculating and measuring solar heat gain, daylight admission, and heat transfer through fenestration systems.