

TC 4.5 Solar Heat Gain Subcommittee Meeting

Monday, June 27, 2005

3:15 – 4:15 p.m.

Adams Mark
Denver, Colorado

Attendees[8]

William duPont/Sunergy Consulting (Acting Chair)

Christian Kohler/LBNL

Jason Theios/Guardian

Aziz Laouadi/NRC

Anil Parekh/NRCan

John Wright/Univ of Waterloo

Brian Crooks/Cardinal

Victor Kootin-Sanwu/Univ. of Cincinnati

I. Meeting Started at 3:15 p.m.

- Introductions and Christian Kohler agreed to act as secretary.

II. Approve minutes from last meeting, Orlando, Florida, February 7th, 2005:

- Minutes approved (Motion: Anil P./ Willie DuPont: Vote: unanimous).

III. Report from SHG Test Procedure Task Group:

The procedure is under ballot at ASTM. The ASHRAE task group has been abandoned.

IV. Research Projects:

A) RP-1143:

- Report by Willie duPont. Meeting of project monitoring subcommittee will be on Tuesday 6/28/05. Chris Gueymard will report his progress to date. Chris asked about a follow-up project which would deal with cloud cover since the current project only deals with clear skies. Willie D. encouraged Chris to write a RTAR.

B) RP-1311:

- Report by Christian K: Project was awarded to University of Waterloo. John Wright is Principal Investigator. A presentation was made to the PMS on 6/26/05 by John Wright and Chip Barnaby. Emphasis from TC 4.1 is on calculation speed more than accuracy. There was some concern voiced from the PMS about open-channel flow, the case in which drapes allow substantial air flow between the drapes and the glass. Ross McCluney has asked to be replaced on the PMS as TC 4.5 liaison and Christian agreed to serve as the new liaison.

C) GPC-25

- Report by Willie D.: Meeting cancelled for this time because of lack of attending members. Mike is sorting out his membership and Christian agreed to join. Jason T. will be a corresponding member. GPC-25 will now have the required minimum of 5 members.

D) Other research projects:

- no updates on other research projects

E) New Research projects: nothing new

V. Handbook Issues:

- Tables 16 and RP-947 results: Still waiting on final reports from David Tait. Willie volunteered to follow up with David..
- Table 4 and 11; Willie will talk to Chris Matthis to see if he would be willing to get involved in getting the RTAR revised.
- Willie will send the raw data from David Tait's project to John Wright and Christian for use in validation of software algorithms.
- Aziz L. volunteered to help revising the VT section and add a section on human occupants experience in the handbook for the next edition.
- John Wright mentioned that the RP-1311 results will probably show up in updates in the shade section of the next handbook.

VI. Next Meeting:

- Next TC 4.5 Solar Heat Gain Subcommittee Meeting at 3:15, January 23rd, 2006 in Chicago, Illinois.

VII. New Business:

- None.

VII. Adjourn

- Adjourned at 4:07 p.m. (Motion: Willi/Brianr: Vote: unanimous)