

**ASHRAE TC 4.5
Fenestration
U-Factor Subcommittee Meeting
Minutes**

Monday, June 27, 2005 – Denver Colorado
2:15 to 3:15 PM

Chair: Anil Parekh

Attendees

Brian Crooks	Cardinal (bcrooks@cardinalcorp.com)
William C. duPont	Sunergy (waupi@msn.com)
Hakim Elmahdy	National Research Council (hakim.elmahdy@nrc.ca)
Christian Kohler	LBNL (kckohler@lbl.gov)
Victor Kootin-Sanwu	University of Cincinnati (kootinv@ucmail.uc.edu)
Aziz Laouadi	National Research Council (aziz.laouadi@nrc-cnrc.gc.ca)
Anil Parekh	Natural Resources Canada (aparekh@nrcan.gc.ca)
Jason Theios	Guardian Industries (jtheios@guardian.com)

- I.** Meeting began at 2:40 PM.
- II.** Approval of minutes.
Approved the minutes of the Orlando minutes (Willie duPont / Brian Crooks).

III. Status of U-factor Research Projects

Active Research:

- TRP 1236: Heat Transfer through Roll-up Doors, Revolving Doors and Opaque Non-residential Swinging Doors
Testing and simulation work completed. PMS is reviewing these results. Some concerns with measurements. More information will be available at the PMS meeting on June 28th.

Research Projects in Considerations:

- A01: Thermal and Optical Properties of Cylindrical Skylights
Aziz prepared a draft copy of RTAR. There was significant discussion on the scope of the project. Willie duPont and Dick Troyer will review further and incorporate changes. There was also further discussion on the definitions of cylindrical skylights and different ways of simulation and testing methods.

Action Item: Willie and Dick will provide comments on the RTAR. Aziz will put forward this RTAR to TC 4.5 for further processing.

- B95HR: Develop Reliable Computer Simulation Methodology for Local Convective Heat Transfer in Glazing of Vertical and Tilted Fenestration Systems.
On hold.
- A04: Determination of U-factor, SHGC and Visible Transmittance of Standard Fenestration Units Made from Representative Fenestration Frame and Glazing System Update Hof Table 4, 6 And 11.
Willie duPont will contact Chris Mathis regarding the RTAR.
- F95: Develop Convective Heat Transfer Coefficients for Indoor and Outdoor Surfaces of Fenestration Systems
Switch authorship for the RTAR and the work statement. Anil Parekh will take the lead. Willie duPont, Charlie Curcija and Hakim Elmahdy will provide their comments. Hakim raised concerns with the limited scope. It was agreed to expand the scope of work to include testing as well as modeling.
Action Item: Prepare a revised RTAR and work statement by August 15, 2005.

IV HOF Issues

None.

V New Business

LBNL will release a beta version of the Windows 6.0 in next couple of months. Plan to release the full version before end of 2005.

VI Other Business

None.

Meeting was adjourned at 3:25 PM.