



NFRC 2009 Fall Membership Meeting
November 16-19, 2009, San Antonio, TX

Meeting Minutes

Research Subcommittee

Tuesday, November 17, 2009

Under Research & Technology Committee Block: 7:30 a.m. – 12:30 p.m.

Chair: Bipin Shah, WinBuild, Inc.

Vice Chair: Rich Biscoe, Architectural Testing, Inc .

1. Call to order at 10:02 am

2. Recording secretary appointed (Jessica Ferris)

3. Minutes from July 2009 meeting approved as presented

4. Reports

- a. Research status (Ray McGowan, staff) – Financial Summary presented
- b. Condensation Resistance Procedure for CMA PMTG (Kevin Vilhauer, Chair – PMTG) – Asking for extension to January 31, 2010. Work is done; it's just a matter of putting the report together.

MOTION: K. Vilhauer/D. DeBlock moved to extend deadline of research project to Jan. 31, 2010. Motion passes by unanimous voice vote.

- c. Tubular Daylighting Devices U-factor rating PMTG (Dave De Block, Chair) – report to task group this week. It is complete and we have until the end of the month to review it and close out the project. Will place report on the NFRC website.
- d. Window 6/Therm6 Validation Research PMTG (Joe Hayden, PMTG) – Project continues.

MOTION: J. Hayden/C. Curcija moved to extend project to Spring 2010 membership meeting. Motion passes by unanimous voice vote. W. duPont abstained.

- Status report presented by Willie duPont

MOTION: J. Hayden/S. Harp moved to recommend to the RTC to increase an additional \$5200 in funding for the Window6/Therm6 Validation Research project. Motion passes: 17-0-3.

- e. Complex VT Rating Research Project PMTG (Ross McCluney, Chair) – Research plan was to start with a reference product. Reference tube was constructed and installed at Velux, Solatube, and LBNL. Trend lines on reference tube are similar and reasonable. In the middle of the process right now and will wait to see what later results bring.
- f. Attached Awning Ratings Research PMTG (John Gant, Chair) – Have had three meetings since the July meeting. Ross McCluney doing project and will report.

Six tasks to be completed before report is submitted. Willie duPont assisting with the project. Tasks are

- i. Review literature
- ii. Definition and categorization of awning products
- iii. Determine minimum input data



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- iv. Propose approach to product evaluation and rating methodology
 - v. Justify proposed rating
 - vi. Draft final report
- g. NFRC 703-Research Program Manual Task Group (John Gant) – The TG has come up with a few ideas for review and comment and will likely develop a ballot for the next membership meeting.
- 1. Be more disciplined in the way we enter delivery dates and delivery schedule
 - 2. Penalty for late deliverables?
 - 3. Retain portion of funding until completion.
 - 4. Responsibility for PMTG to meet frequently and respond and manage the process and communicate issues.
- h. Gas Permeability Research (IGMA leading, NFRC cosponsoring) - Margaret Webb provided a summary that Werner Lichtenberger, now chair of this TG, presented. IGMA Developing a new method of developing methodology for measuring gas permeability of argon in sealed systems.

5. Unfinished Business

6. New Business

- a. CMA Research Summary page presentation – Proposal is for \$50,000. Chair recommends that RFP include reference to ISO 15099.

MOTION: S. Kumar/T. Rogers moved to approve one-pager. Motion passes by voice vote. One abstention.

- b. Spandrel System Performance Validation Study – How to model Spandrel system.

MOTION: P. Lyons/R. Temple moved to approve one-pager. Motion passes by unanimous voice vote.

- c. Rich Biscoe has resigned as co-chair and Peter Lyons will be V-Chair of Research SC.
- d. Ventilation and Daylighting Rating – First step is to get a direction from the Board. Then can do the research. RTC chair (Werner Lichtenberger) will bring this up for discussion to the Board on Thursday.

7. Meeting adjourned at 11:35 AM