

Attachment Optical Properties Task Group Minutes

February 25, 2009

4:00 P.M. – 4:30 P.M. EDST

Meeting Host: John Gant – Glen Raven

Participants:

John Gant (Host), Ray McGowan (Staff), Sanjiv Malkan, John Gant, William du Pont, Christian Kohler, Ross McCluney, Robin Mitchell, Craig Dasse, Marty Ackerman

1. Call to Order:

Host called meeting to order at 4:05 P.M. and conducted a roll call. Anti-trust reminder was given.

2. Review and Approve Agenda:

Verbal meeting agenda was reviewed and approved.

3. New Business:

- None

4. Unfinished Business from Last Call:

- Discussion on agenda for pending Optical Properties Workshop at LBNL
 - Presentations from LBNL on Measurement
 - Measurement methods which could be used for Attachments, and data needed for WINDOW 6
 - Tutorial on short and long term capabilities of WINDOW 6
 - Lab Tour
- Discussions about Ratings using Off-Normal Incidence
 - Macroview of how NFRC could rate Attachments using “off-normal” solar incidence angles
 - Macroview of how NFRC could rate Tubular Daylighting Devices using “off-normal” solar incidence angles
 - Open discussions of various alternatives, consideration of levels of difficulty, prioritization for better approaches
 - Consideration could apply to Angularly Selective Products, and perhaps traditional NFRC products as well?
 - Concept presentations from Researchers
- Discussions on Topics beyond SHGC and U Values
 - Annual Energy Performance rating
 - Daylighting
 - Thermal and Visual Comfort
 - Glare control

Goals/Purpose

- Educate group on Experimental and analytical methods for optical properties of attachments
- Develop a sense of the development priorities and effort required for new Attachment functionality in WINDOW
- Review concepts for off-normal incidence approaches

- Identify benefits of a “next generation rating system” which could include annual energy performance, daylighting analysis, comfort, glare, and other benefits.
- Consider links with Codes and Standards, EnergyStar and government programs, etc.
- Develop information to support future Roadmapping for NFRC research project proposals

Timing + Invitation

- June?
- Need to avoid ASHRAE meeting during the week of June 20-24 in Louisville
- NFRC meeting is July 19-23 in Baltimore
- Develop invitation list with focus on a manageable-sized group –inclusive as able, but productive.

NFRC meeting

- Make 30 minute block available to LBNL on Monday morning for presentation on Optical Property Determination for Attachments, and The Outlook for WINDOW Functionality. Mike C and John G –
- *This is confirmed as of 12:20 pm on Thursday Feb. 26. The Interior+Exterior Attachment Task Group meets at 7:30 am Monday March 2 for one hour, and we aim to have 30 minutes available for LBNL.*
- Hold a meeting on Monday 3/2 evening at 5:30 pm after NFRC Day 1 to discuss workshop

5. Adjourn Meeting:

The next conference call will be scheduled once the proposed workshop at LBNL is confirmed and can be reviewed with the TG.