



## Component Modeling Approach - Technical Task Group Conference Call Notes

Thursday, April 17, 2008

1:00 pm – 2:30 pm

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### 1. Call to Order

2. **Roll Call** – Participants: Mahabir Bhandari, Catherine Best, Bill Briese, Tom Culp, D. Charlie Curcija, Frank Fisher, Christian Kohler, Sneh Kumar, Mike Manteghi, Nelson Pena, Dan Wacek, Jessica Ferris (NFRC staff)

### 3. Unfinished Business

#### a. Desiccant conductivity discussion

- i. **Sneh's desiccant study** – study's findings were discussed by the group and compared to the study conducted by Margaret Webb who previously chaired the Desiccant WG under the CMA Technical Road Mapping Group. According to Sneh's study, spacer desiccant can impact the U-factor performance rating of certain systems. The group discussed then the possibility of modeling the desiccant under the Path III spacer approval path. By contrast, Margaret's study found that the effect of the desiccant or desiccated matrix was negligible in terms of thermal performance and it was recommended to use one default value.

- Action Item: Participants on the call agreed that Dan Wacek will look for conductivity value for desiccated matrix. Bill Briese will also get in touch with desiccant manufacturers and enquire about the conductivity values of desiccated matrix. We can then use this information to revise the CMA Spacer Grouping language and have it balloted in July. Sneh and Mike Manteghi will develop the language for the TG to take a look at.
- Also, this information for desiccated matrix can be referred to the Thermo-Physical Properties SC for review and incorporation into the NFRC 101.

4. **Label certificate discussion** – Catherine Best of Benson Industries began discussions by relating to the group her experience with complying with code: the code official tells her what needs to be tested and normally that's systems that cover approximately 75% of the square footage of the building façade. However, with custom projects, often times because there are so many differences among the systems installed, it means having to test/model every system used.

Frank Fisher of Arcadia indicated that it doesn't matter which way we go with how we rate the systems but he wants there to be only one way.

There was significant discussion regarding whether NFRC should consider certifying commercial systems to actual size as opposed to standard size. What should we certify?

- Action Item: Catherine Best will send the document related to guidance on how many systems to be tested as per the code requirements in Seattle and in NY, to give the TG an idea of what code officials look for.

**Next Steps:** The TG will reconvene to discuss these issues further on Thursday, May 1, 2008 @ 1:00 PM Eastern Time.

**5. New Business - None**

**6. Meeting adjourned @ 2:40 PM**