



National Fenestration
Rating Council

Meeting Minute Recording Sheet

Name of Meeting:	THERMAL COMFORT TF	
Chairman:	JIM LARSEN	
Recording Secretary:	RC Mathis	
Call to Order: Date -	7/25	Time - 7:40am
Roll Call:		
Approval of Previous Meeting Minutes:		
Business of Meeting: (MINUTES recorded on the following attached pages)		
<p>Chair opened w/reminder of past Board actions</p> <ul style="list-style-type: none"> - Research Project to look into comfort ratings - Form TG to investigate comfort ratings 		
<p>Chair polled audience on their thoughts about whether NFRC should have a comfort rating. About evenly split.</p>		
<p>Questions asked about history of comfort ratings</p> <p>Chair gave ASHRAE history & % dissects need background & talked about several ways to translate several ways.</p>		
<p>Tom Culp spoke on why he opposed comfort rating. Culp said that he questioned applicability to NFRC mission. Comfort has secondary every impact. Should we spend time on this - even if the science is good. We should do AEP instead. Too many assumptions</p>		



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John Hogan spoke about LEED and indoor environmental quality. Need metrics for evaluation for USGBC.

Tom Zarembo said it reminded him of advertising ~~DOE money~~ for chairs. Too subjective. Also said DOE & should not be used. NOT an energy issue.

Garrett Stone noted past marketing surveys that customers want it. Do you believe that the comfort in a space impacts people's energy usage?

Darrell Smith noted that a TC rating could have some validity, but a lot of assumptions about how people use space. We have comfort science. But what assumptions

Joe Hayden supports development of comfort ratings. We need to show other benefits of EE Products. We need to prioritize our resources, such as AEP

Peter Lyons noted that TC is based on good science. Been around for 30 yrs. Project focused on zone near the window. Very closely related to energy



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Tom Culp - like fading. Something people should consider. But is it a priority for NFRC? Science is very strong. But results vary based on assumptions. Begin to look at TC when we finish AEP & LTAP.

Greg Carney - Described 3 people in their office & varied contact. Focus on Component Modeling.

Steve Johnson read NFRC mission & scope. Thinks TC more important than LTAP.

Chris Mathis noted issues of Building Owners & Managers & new control systems needs.

Jim Larsen noted AEP issues of over heating & ventilation. Could improve AEP assumptions.

Tom Culp moved not to work on TC at this time due to other priorities & program. Second by Greg Carney.

John Hogan requested that everyone give their opinion. Don't be neutral. Give Board direction/opinions.



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Peter Lyons noted ~~if~~ we might blend comfort & AEP
 Steve Johnson noted today's headline on CA Power Grid.
 Rich Biscoe - let TGA work on it. No big deal.
 Against motion. ~~Let~~ Let those interested work
 on it. Possibly in Research.

Werner Liechtenberger would like to hear other
 options & possible mergers of efforts or
 work on AEP 1ST then comfort. Multiple options

Culp said look at it after AEP. Priorities.

Garrett Stone - treat it like TEP. Decided
 not to do it. AEP? Don't tie to other efforts.
 Vote.

David Duly - why not blend two (AEP & TG)
 together.

VOTE:

In FAVOR: 17

AGAINST: 17

ABSTAIN: 3

Jim Larsen noted that we have a mixture of
 priorities & let TGA work if they want.



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Rich Bischoff moved that TC efforts become a TG under research. Seconded by Jeff Baker.

Hogan asked if original motion should be parsed - priorities? ratings? Would vote be different?

Mike Thoman said if only 4 people cared about Thermal Comfort, we should allow those that want to work on it be able to.

Hogan - This is not a research task. Time to move to ratings or technical

Discussion ensued as to where in the Task Group should reside. Technical? Ratings? Research?

John Hogan - Culp noted that issues are the assumptions. If we don't need research, then it should be in Technical.

Reviewed Scope of Technical & R & T Committees
Rich modified motion to say "Technical Committee"

NOTE: FOR : 24

AGAINST: 5

ABSTAIN: 4