

Important Issues with the Non-Residential Component Modeling Approach (CMA) Procedure:

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Consolidated Technical Issues:

1. Effect of glazing bite on total product U-factors
2. Effects of spacer position within the glazing on total product U-factors
3. Effects of glass thickness on overall total product U-factors
4. Effects of spacer height on total product U-factors
5. Definition of generic Best/Worst IGU and spacers
6. Condensation Resistance

Consolidated Programming Issues:

1. Establish frame grouping rules (both interior, exterior & profiles/depths)
2. For certification purposes how are we going to handle size issues (i.e. NFRC size vs. Project size?)
3. Allow for defining NFRC standard size, actual project size, and area weighted U factor values Effects of glass thickness on overall U-factors
4. Safety checks that establish ranges of values that will not allow bad input
5. Modification of THERM and WINDOW software to be compatible with the NRFEN
6. Creation of IGU and spacer assemblies "on-line"
7. Web based NRFEN vs. local installation

Consolidated User Issues:

1. Training/testing/certifying users-users must meet certain criteria/get values for examples during testing
2. Auditing users-a % needs to be defined.
3. Cost of training/cost of auditing
4. Define Penalties (i.e. replacement of product plus NFRC fine).
5. Need "How to Guide" paper and web based

Appendix: Listing Of Outstanding Issues Developed During The Non-Residential Task Group Meeting From 8/9/04 To 8/10/04:

Technical Issues:

1. How do we develop a correlation between standard glazing bite and changes in bite design-we don't expect variation to be more than $1/8^{\text{th}}$ "+/-.
2. Develop correlation for std. ht. spacers vs. custom ht. spacers.
3. Keep CRF values/procedures in mind when considering the technical issues/procedures.
4. Establish frame grouping rules (both interior, exterior & profiles/depths)
5. For certification purposes how are we going to handle size issues (i.e. NFRC size vs. Project size?)
6. How do we handle effect of glass thickness (i.e. Lami) & glass conductivity?

Programming Issues:

1. Safety checks that establish ranges of values that will not allow bad input.
2. Allow for defining NFRC standard size, actual project size, and area weighted U factor values.

User Issues:

1. Training/testing/certifying users-users must meet certain criteria/get values for examples during testing
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