Chair: Steve Jasperson, Therma-Tru
Vice-Chair: Dave De Block, ODL, Inc. chaired this meeting

1. Call to Order – performed by acting chair, Dave De Block, including applicable instructions and commentary for items a, b, and c below
   a. Welcome to All Attendees ….Cell phones & laptops to Silent Mode
   b. Antitrust reminder
   c. NFRC Meeting Guidelines

2. Ray Dill volunteered to be Recording Secretary

3. Review and approve agenda – Dave De Block requested and received verbal approval

4. Unfinished Business
   a. Simulation Standardization – NFRC Benchmark Spreadsheet
      • Progress report by NFRC’s Dennis Anderson
         o Baseline - opaque door with six panels
           ▪ Full lite, ¼ lite, ½ lite, ¾ lite – can define actual size for each
           ▪ Lite “size” is the Daylight Opening
             • Lite width = GW-Bite (glass width – frame overhang onto glass)
             • Lite height = GH-Bite (glass height – frame overhang onto glass)
           ▪ Simulators need to realize the difference between glass size and DLO size, using DLO size.
             NFRC documents list glass size.
           ▪ U-Factors to six decimal places to be used during calculations.
           ▪ Head, hinge jamb, lock jamb, and sill variations can be inserted
         o Expectations
           ▪ 0.01% accuracy being seen, with six place decimal U-Factor values being used
           ▪ One baseline sheet included in report to ensure the simulation labs’ methods are accurate with 0.01%
         • Discussion
           o Handling head sections in various doors, i.e., differences in wood and FG/STL door
           o Different spread sheet for divided lites (internal or external)
           o 0 and 1 data for doors is extensive, for windows it is only one version
           o Simulators involved – WestLab, NCTL, Stork, Enermodal, QTI, ATI ( in abstentia)
         • Next steps
           o Two spreadsheets recommended and accepted.
             ▪ One spreadsheet for wood; one for steel/fiberglass
             ▪ Two spreadsheets’ calculations are exactly alike, only difference is to be picture to clarify door construction differences between wood doors, and steel or fiberglass doors
             ▪ Dennis Anderson to complete
           o Jeff Baker recommended Dennis Anderson circulate the “two spreadsheet” version to each simulation lab to validate against its own tool
             ▪ Jeff Baker and Dennis Anderson to formulate language for document/instructions to be sent with “two spreadsheet” version to the simulation labs
             ▪ Simulation labs, on a voluntary basis, will be requested to provide results to the Door Task Group, comparing its simulation method to the baseline method.  0.01% accuracy expected.
           o Product Certification Program (PCP) language and definitions need work; doors are hung by prehangers with a variety of component use.
             ▪ Definitions and the PCP language for Exterior Door Systems
             ▪ Task Group recommended applicable representatives define language for clarification to prehangers, i.e., including ODL, Jeld-Wen’s Steve Frey, Therma-Tru’s Steve Jasperson, Masonite’s Steve Schreiber, and Novatech’s ( find this person)
               ▪ Determine if language in NFRC 701 needs changed to ensure “compliance”

5. New Business
   a. Loose doors – Jeff Baker
      • Sash pack door ratings – if Energy Star did not approve this, the point is probably moot

6. Adjourn – by acting chairman Dave DeBlock at 11:40am