

TDD Task Group - Conference Call/GoToMeeting Notes

Jan. 28, 2011

1 – 3PM pm EST

Chair: David DeBlock

Recording Secretary: Clay Stevenson

Also in attendance:

Brad Schultz, Dan State, Gilbert Ropel, Les Condit, Roger LeBrun, Ross McCluney, Steve Ulrich, William DuPont, Dennis Anderson

A. Proposed 2011 changes to NFRC 201 for more TDD configurations

1. Did not discuss in this meeting.

B. Labeling Revisions

1. The Labeling work group is finished with ballot language. Congratulations to all involved.

C. VT Algorithm using efficiency measurement array

1. Les presented proposed VT Algorithm that would weight 21 VT measurements by % annual time the Sun is at the particular elevation azimuth and the average global horizontal irradiance for each of these 21 different elevation and azimuth points.
2. A request was made that the formulas for the p factor, RI factors and other calculations be presented to everyone.
3. Les talked through most of the calculations.
4. Dan State asked what the purpose of the adjustment factor is, and Les explained that it is to increase the rating value so that a 100% transmittance device would rate as 100%.
5. Ross recommended that the data used for the weighting be clear sky data, and Les was agreeable to use whatever data the group agreed upon.
6. A point was made that reflectors could increase the transmittance to something over 100%.
7. Dan State made a point that 21 measurements would be very time consuming and expensive, and he also proposed an alternative one point measurement and showed a chart that showed the annual weighted average elevation angle for Denver is 32°.
8. A recommendation to vote to include irradiance data in the VT measurement was made, but consensus to take a vote was not reached.
9. Les took actions to repeat the analysis with clear sky data and GHI vs. DNI.

10. Les was also asked analyze the data with only the P factor.

D. Inquiry letter to LBNL for providing measurements

1. LBNL is still waiting on the letter. Dave will have that ready for our next meeting.

The next call is scheduled for Feb. 1, 2011 from 2-3PM EST. Item C will be the main topic of discussion. A, B and D will be quickly reviewed first.