3. Executive Summary

The Applicator Product Suite (*this Tool*) has been experimentally verified by direct physical measurement of predicted results.

The Applicator Product Suite (*this Tool*) was initially developed as a Mathematical Model utilising a sophisticated Engineering Application[i]. Once the Engineering Model was completed, it was assembled as an Experimental Prototype in spreadsheet form. A Developer was engaged in Indonesia & the Experimental Spreadsheet Prototype issued. The purpose of the engagement was to construct a Web-Application capable of performing identical calculations to those appearing in the Experimental Spreadsheet Prototype. No additional Requirements documentation was provided to the Developer, & the Application as it appears in its current form, was designed & built ad-hoc via Skype sessions; the project was executed utilising Agile Methodology. No bias or consideration was undertaken to artificially guide the completed solution such that the number of tests required to validate it coincided with predictions. In other words, the experimental evidence gathered & confirmed is genuine & cannot be considered questionable by any measure; {**DIT** = Dynamic Information Test}

DIT Limit	Predicted	Measured[ii]	Similarity
Upper	3,318	3,254	> 98.07%
Lower	126	143	> 88.11%

Tab. (1): Predicted **DIT's** & Measured Results

Coincidence &/or Good Luck
- It is important for readers to appreciate that the probability of the impressive results obtained being due to coincidence, or the random convergence of multiple streams of good fortune, is inconceivably trivial because:
    - The experimentally verified results were predicted in advance of the Web-Application being constructed
    - The predictions were experimentally verified <u>twice</u> within the same Application
        - Upper **DIT** limit
        - Lower **DIT** limit

Criteria for success
- The Lower **DIT** Limit
    - Is measured to be greater than or equal to 126 (≥ 126)
- The Upper **DIT** Limit
    - Is measured to be less than or equal to 3,318 (≤ 3,318)

**** NOTE: all criteria for success have been satisfied ****

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Conclusion
- This Tool is Fit-for-Purpose & should be utilised because:
    - It has been Experimentally Verified to accuracy greater than **98.07%**
    - The Risk of relying upon this Tool for future Projects is less than **1%**

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[i] "MathCad 8 Professional" by MathSoft
Now trading as PTC | https://www.ptc.com/en/products/mathcad

[ii] Measurements are approximate: as much care as possible has been taken to count the number of actual Tests, however, human counting error of 1% to 2% may exist