

## Review of WES-2021-23 revised manuscript

I would like to thank authors for the effort to improve the paper with the suggestions. It looks much better and now it is easier to follow. However, there is one particular issue which I would like to highlight here.

The value of using synthesized RFOIL simulation results of NREL 5MW airfoils as a “validation case” is still not really clear in the manuscript. Even though you mention that it is for the sake of explaining the differences of one and two eqn. transition model predictions, you still treat the reference data as if it is the correct one. Example: line 354-355 “All simulations miss the prediction of stall angle as is typical of the challenges in 2D RANS-CFD modeling of airfoils”. The accuracy of the stall angle in the reference data is surely questionable because it is also coming from a prediction method. Furthermore, in Figure 11, this data is still referred as “experimental” and at least the drag data of both airfoils higher than about 10 degrees of angle of attack seem doubtful as if they are wrongly synthesized or the interpolation or correction of the high AR effects are not done correctly perhaps. These kind of issues bring further doubts about the validity of the reference; hence the value and the validity of the comparisons.

I recommend to revise the manuscript further to clarify these issues.